Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

PRICE CHANGES AND THE BUSINESS OUTLOOK

Conditions have steadily improved during the month, although not rapidly. No brisk increase in the volume of orders, or in the amount of business, was to be expected in the month, and it is doubtful if there will be any large increase until spring opens; but business is more than holding its own; some factories are reopening after being closed a long time. Contractors are finishing work, but there is a noticeable tendency to push forward some new projects, both on account of the low cost and the ability to do the work with dispatch.

Financial conditions have improved more than any other, and form the basis for an excellent business later on. Although capital is difficult to obtain, money is easy, and American bankers, for the first time in history, practically, are dealing in acceptances from foreign cities; doing a general foreign exchange business irrespective of London, and are also lending vast sums to foreign cities. This credit will be used to buy American goods. The heavy drain on the life insurance companies has been stopped, and a very appreciable amount is now available for investment.

Agricultural returns are highly satisfactory to the farmer, but prices for foodstuffs have gone to such levels as to be distinctly abnormal; in many cases burdensome to American consumers. The highly satisfactory way cotton is moving out of the country will clear up the problem of finance in the ten Southern States far more rapidly than was thought possible.

Railroads are looking forward to doing considerable work this coming year. Some construction work which was postponed on account of the war has been resumed; the railways in the Northwest will make numerous improvements and some of the Eastern roads have laid out a fair program of new construction which, while not large, is a beginning. The Pennsylvania has showed its intention to resume operations on several dormant projects. A 4½% bond issue by the Pennsylvania was eagerly sought by bankers. The security is undoubtedly of the highest grade, but that such security would find a welcome at all is to be remarked. The rate of interest is not unusual, considering the high prices paid for capital in recent years.

Dullness has characterized the iron trade, principally because December business in pig iron was so satisfactory. Mills are operating more actively, a fair amount of rail orders has been taken, and the tube mills have been in receipt of some very large orders. Steel prices continue on an attractive level, which induces new construction. Foreign demands, while large in point of dollars, have not been large from the standpoint of tonnage involved, but some rail orders for foreign delivery are already in sight, and there is no doubt that considerable business will be taken in this line before the end of the year.

Prices of metals have advanced rapidly, copper selling at 15c., compared with 11c. in August, due entirely to the foreign demand; lead is higher and spelter has advanced even more rapidly than copper. The outlook for metals is highly satisfactory, and there is no doubt that prices will be maintained at a fairly high level for some time, at least until the insistent foreign demand has subsided. The prices of most manufactured commodities are at low levels, and the cement situation is still unsatisfactory to the producer. In New York crushed stone is at a low level, rubber is cheaper than before in years, and lumber prices are lower.

Shipbuilding work is not at all active, but there is every prospect of an activity in this line which has not been seen before in this country for more than a generation.

Foreign orders are large and continue to increase. Buyers for foreign governments and domestic consumers in European countries are in New York in large numbers and buying freely. Much of their purchases partake of war supplies and food but there have also been inquiries for supplies which could scarcely be made in Great Britain or France, owing to the lack of labor available for such uses. This business will undoubtedly continue.

Orders for war materials are going forward at the rate of more than a million dollars daily. Every shop in the United States that wishes to, is manufacturing as much ammunition and guns as it is possible to make, and new additions are being rapidly constructed at the leading plants.

Machine tool buying in the last eight weeks has been larger than ever before. The country is practically cleaned out of lathes. Milling machines have been in excellent demand, and foreign buyers are now taking automatic machines and almost any kind of machinery that can be used on iron or steel. This business has been of the most profitable nature.

The determination on the part of steel manufacturers to secure more remunerative prices led to a peculiar advance on Feb. 1. The bace price, which included plates, bars, and shapes, was left unchanged at $1.10 for February delivery, but this will be advanced to $1.15 for March, and $1.20 for April.

CEMENT, LIME AND BRICK

Portland Cement—Leading makers of cement have not revised their quotations, as compared with last month, but some of the small dealers selling in the New York market are taking orders at $1.37 New York, compared with the usual quotation of $1.42 New York. Not much business has been taken, even at these figures. A fair increase and more railroad business is in sight than for some time. Western business is reported to be fairly satisfactory, but by no means so rosy as some recent statements would seem to indicate. The quotations that follow do not include the price of 40c. made for bags returned, but are for barrels of cement delivered at the points named, less the charge for the bags.

Chicago	$1.02	Boston	$1.66
Detroit,	1.14	Cleveland	1.23
Jersey City	0.94	Duluth	1.33
New York	1.02	Minneapolis	1.25
St. Paul	1.25	Pittsburgh	1.00

Brick—Prices are higher as a result of the unfavorable weather, which makes difficult handling. In New York, Hudson River common brick sell at $5.87½ to $6 per M.

Lime—Business continues quiet and prices are unchanged; 97c. per bbl. for state common, 200 lb. net; $1.37 for 300 lb. bbl.; $1.55 for 300 lb. finishing; $1.10 for 200 lb. finishing, and $1.72 for 350 lb.

Crushed Stone—It is difficult to name any price at which business may be taken for spring shipments. Some sellers are asking 85c. for stone delivered alongside of dock, New York.

IRON AND STEEL

Pig Iron—Business is dull, with only a few transactions of note. The tone of the market, however, is better now than for a few weeks past. Prices remain about the same for most grades, with slight concessions for large sized orders. Inquiries from abroad, particularly from Italy and France, indicate inability of consumers to get supplies from their usual sources. American producers have not been able to take advantage of the foreign demand because of the excessive freight charges, but expect to benefit indirectly. Furnaces are being asked to ship orders under contract anticipating the advance in freight rates. It is reported that recent inquiries from New Jersey consumers for 3200 tons have been closed. Chicago has had considerable increase of inquiries for gray and malleable foundry iron, and additional sales of low-grade iron are reported from the Birmingham district. Quotations for pig iron in lots of 100 tons or over at the points named are as follows: Cincinnati, Southern Foundry No. 2, $12.50 to $13; Northern Foundry No. 2, $14 to $14.50; Northern Foundry No. 3, $13.50 to $14. In New York iron is quoted as follows: No. 2X Northern Foundry, $14.25 to $14.50; No. 2 plain Northern Foundry, $14 to $14.50; No. 2 Southern Foundry, delivered tidewater, $14 to $14.25. In Birmingham, Southern Foundry No. 2 is $9.50 to $10. In Chicago, Northern Foundry No. 2 is $12.75 to $13.25. In Pittsburgh, bessemer iron is $14.55 and basic $13.45, including the 95c. freight from the valley to the Pittsburgh district.

Steel Rails—Orders for more than 325,000 tons of rails were placed with the mills in January and there are pending perhaps 400,000 tons. Foreign inquiries total approximately 100,000 tons, but American mills have little hope of getting this business on account of unfavorable freight rates. All of the railroads are buying more material, and those in the corn and wheat belt have a prospect of excellent business throughout the summer, although the gross earnings of railways continue to decrease. The Pennsylvania order for 10,000 tons may be characterized as a trial order. It is divided between the Steel Corporation, the Bethlehem Steel Co., the Pennsylvania Steel Co., the Cambria Co. and Lackawanna Co. Each of these makers will roll a thousand tons under the new specifications, and a thousand tons under the old specifications, and it is expected that the results obtained from these experiments will be taken as a guide for the award of the contract for 1915. This is assumed to be around 175,000 tons. An incident of the unfavorable freight situation is an inquiry from Portugal for approximately 30,000 tons, but, with a freight rate of $19 per ton, it is impossible to close any business. Quotations for standard lots of 1000 tons or over are unchanged, as follows: Standard sections of bessemer, $28; open hearth, $30; f.o.b. Pittsburgh, per net ton. Girder rails in 30-ft. lengths are $36.40 per gross ton, and in 60-ft. lengths, $38.40, both f.o.b. New York. Other quotations, f.o.b. Pittsburgh, for large lots, the prices being given in cents per pound, are as follows: Standard sections, 1.25c.; 25- to 35-lb. 1.15c.; 15 to 20 lb. 1.20c.; 12 to 14 lb. 1.25c.; 8 to 12 lb. 1.30c. Relaying rails, New York, are $19; Pittsburgh and Chicago are quoted at $23 to $24.

Structural Shapes—The volume of business during January was only a little more satisfactory to the mills than that booked in December, but February opens with quite a little work in prospect, some of it large work, which includes 20,000 tons for grade crossing elimination in Indianapolis, and about 13,000 tons for elevated railway extension in Brooklyn. There is also a building in Cleveland which will require 2000 tons, and a Camden structure calling for 1000 tons. Keen competition is the rule on all new structural contracts. The Standard Arcade in New York, 600 tons, went at a low figure. Prices were revised Feb. 1 and are $1 higher than last month as follows: I-beams, 3 to 15 in.; channels, 3 to 15 in.; angles 3 to 6 in.; and T's 3 in. and over, 1.15c. Pittsburgh. Other quotations include I-beams over 18 in., H-beams over 18 in., channels over 15 in., and angles over 4 in., 1.30c.; T's, 1.25c.; deck beams and bulb angles, 1.50c.; handrail T's, 1.95c. Cutting into specified lengths is charged at the following rates: Under 3 ft. to 2 ft. inclusive, 25c. per 100 lb.; 2 ft. to 1 ft. inclusive, 50c.; less than 1 ft. $1.55. No charge is made for cutting to specified lengths over 3 ft. In Chicago the base price is 1.29c., in Philadelphia, 1.25 to 1.30c., in New York, 1.26 to 1.31c., and in San Francisco, 2 to 2.05c.

Cast Iron Pipe—Business shows some improvement. There are many municipal lettings in prospect. Business may be said to be fairly active, and prices unusually low. The American Cast Iron Pipe & Foundry Co. was the low bidder, on 3600 tons of large pipe in Chicago at $22.95. Cities and private consumers on the Atlantic Seaboard have purchased freely, many of them, not only for 1915 requirements, but for next year. The following quotations are named on cast-iron pipe in dollars per net ton at the points named:

Birmingham, Ala., $19.50.
New York, N. Y., 6-in., $20 to $20.50.
Chicago, 4-in., $26; 6- to 12-in., $24; over 12-in., $23.
Cleveland, 4- to 20-in., $21.50; larger than 4-in., $21.
Gas pipe is held at $1 per ton higher in all markets.

Plates—The shipbuilding industry is looking up. The American-Hawaiian Steamship Co. has ordered two additional 10,000-ton steamers from the Maryland Steel Co. Each of these boats will require about 3500 tons of steel. The New York Shipbuilding Co. will build a steel barge for the Panama Canal, which will require about 500 tons, and one of the oil companies will build a tanker calling for 3000 tons of plates and 1000 tons of shapes. Those conversant with the situation express the view that the shipbuilding industry in the United States will show a decided improvement within the next few months. Prices for immediate delivery are unchanged at 1.10c. Pittsburgh, but for March shipments are 1.15c. and April shipments 1.20c. The base price of 1.10c. includes all sizes above ¼ in. In Philadelphia, plates are 1.25 to 1.30c., in New York, 1.26 to 1.31c. and in Chicago, 1.25 to 1.29c.

Pipe—Business shows considerable activity. This line is the one bright spot in the steel trade as far as domestic business is concerned. An order was recently placed for one thousand miles of line pipe. The smaller sizes are not in active demand. Discounts continue without change, being repeated from last month as follows:

	Black	Galvanized
¾- to 2-in. steel, butt welded	81%	72½%
2½- to 6-in. steel, lap welded	80%	72½%
7- to 12-in. steel, lap welded	77%	66½%

At these discounts, the net prices of pipe per foot, in large lots, at Pittsburgh are as follows:

Diameter	Cents Black	Cents Galvanized	Diameter	Cents Black	Cents Galvanized
¾-in.	2.20	3.15	5-in.	29.60	42.20
1-in	3.24	4.67	6-in.	38.40	54.60
1¼-in	4.38	6.30	7-in.	55.00	80.00
1½-in	5.25	7.55	8-in.	57.50	84.00
2-in.	7.05	10.15	9-in.	79.50	$1.16
2½-in.	11.70	16.70	10-in.	95.00	$1.38
3-in.	15.25	21.80	11-in.	$1.06	$1.55
4-in.	21.80	31.00	12-in.	$1.17	$1.70

Sheets—The rapid advance in spelter has caused some uneasiness about deliveries, but this chiefly concerns consumers in the Middle West. In the East, there is a sufficient supply for present needs. Operations at the mills are not so active as a month ago, being less than 60% of capacity.

The following quotations are for large lots of sheets in Pittsburgh, and small lots from store, New York.

	Cents per Pound — Large lots Pittsburgh		Warehouse delivery New York	
	Black	Galv.	Black	Galv
No. 10	1.55	1.90	....	....
No. 12	1.55	2.00	....	....
No. 14	1.60	2.00	....	....
No. 16	1.65	2.15	2.35	2.75
Nos. 18 and 20	1.70	2.30	2.40	2.90
Nos. 22 and 24	1.75	2.45	2.45	3.05
No. 26	1.80	2.60	2.50	3.20
No. 27	1.85	2.75	2.55	3.35
No. 28	1.90	2.90	2.60	3.50

Steel Shapes—While prices are without change, there is little doubt that somewhat higher figures will be demanded before the end of the month. This will be due to the advance at the mill anounced Feb. 1. In New York small lots are quoted as follows:

	Cents Per Pound
Refined iron:	
1 to 1⅞ in., round and square	1.85
1½ to 4 in. x ⅜ to 1 in.	1.85
1½ to 4 in. x ¼ to ⅜ in.	2.05
Norway bars	3.20
Burdens bar iron	3.15
Soft steel:	
¾ to 3 in., round and square	1.85
1 to 6 in. x ⅜ to 1 in.	1.85
1 to 6 in. x ¼ and ⅛	2.00
Rods—⅝ and ½ in.	1.95
Bands—1½ to 6x⅛ in. to No. 8	2.15
Beams and channels—3 to 15 in.	1.90
Angles:	
3 in. x ¼ in. and larger	1.90
3 in. x ⅛ in. and ⅛ in.	2.35
1½ to 2¾ in. x ⅛ in. and thicker	2.00
1½ to 2½ in. x ⅛ in.	2.10
1 to 1¼ in. x ⅛ in.	2.10
1 to 1¼ in. x ⅛ in.	2.15
Tees:	
1½ to 2½x¼ in.	2.05
1½ to 2½x⅛ in.	2.15
3 in. and larger	1.95

Steel Sheet Piling—Business is not active, but prices are steady and firm at 1.55 to 1.60c. in Pittsburgh.

Freight Rates—The freight rates on finished steel products from the Pittsburgh district, including plates, structural shapes, merchant steel and iron bar, pipe fittings, plain and galvanized wire, nails, rivets spikes, and bolts, black sheets (except planished) chains, etc., are as follows in cents per hundred pounds: Albany, 16; Buffalo, 11; Boston, 18; Baltimore, 14½; Canandaigua, 13½; Cleveland, 10; Columbus, 12; Cincinnati, 15; Chicago, 18; Denver, Colo., 85½; Harrisburg, 14½; Louisville, 18; New York, 16; Norfolk, 20; Philadelphia, 15; Rochester, 11½; Richmond, 20; Scranton, 15; St. Louis, 23; Washington, 14½.

Freight Rates via Panama—The ocean freight market is very uncertain. It is difficult to secure enough vessels to carry the cargoes offered. An advance of 5c. per 100 lb. is now demanded for shipments from New York and Philadelphia bringing the quotation to 30c. For large lots of steel, such as shapes, reinforcing bars, plates wire and similar products, the rates to Pacific Coast points are as follows: From Bethlehem, 37.5c.; Chicago, 55c.; Cleveland, 44c.; Coatesville, 40c.; Johnstown, 39.5c.; New York, 30c.; Niles, 43c.; Philadelphia, 30c.; Pittsburgh, 46c.; Steubenville, 41c.; Wheeling, 41c.; Youngstown, 43c.

Wire Products—The insistent foreign demand continues, but inability to secure freight room, and high freight rates, may have some influence on this trade later in the year. Prices are steady. Plan wire to retailers Pittsburgh is quoted at $1.40; galvanized wire to retailers Pittsburgh, $1.75 to $1.80; painted barbed wire, $1.55 to $1.60, and galvanized barbed wire $1.95 to $2. Polished staples are $1.50 to $1.55, and galvanized staples $1.90 to $1.95. Wire nails are quoted at $1.63 Pittsburgh. All of these quotations are per 100 lb. in large lots|

Old Material—Prices are well maintained, and, in some cases, are higher than a month ago. There is a fair inquiry, but only a part of this has been turned into orders. In New York quotations are as follows:

	Per Gross Ton
Heavy-melting steel scrap	$8.00 to $9.15
Pipes and flues	7.25 to 7.50
No. 1 railroad wrought	9.50 to 10.00
Stove plate	8.00 to 8.50
No. 1 machinery cast	11.00 to 11.50
Wrought turnings	5.50 to 6.00

In Chicago prices are higher, but business is not especially active. Quotations are as follows:

	Per Gross Ton
Heavy-melting steel scrap	$9.75 to $10.00
	Per Net Ton
No. 1 railroad wrought	$8.75 to $9.00
No. 2 railroad wrought	8.25 to 8.50
No. 1 cast scrap	9.00 to 9.25
Pipes and flues	7.00 to 7.25
Agricultural malleable	7.50 to 7.75
Railroad malleable	7.75 to 8.25

The Pittsburgh market shows more life following the lead of heavy-melting steel scrap, which moved up 25c. a ton. Quotations are as follows:

	Per Gross Ton
Heavy-melting steel scrap	$11.00 to $11.75
Re-rolling rails	11.50 to 12.00
No. 1 foundry cast	11.25 to 11.75
Old car wheels	11.50 to 12.00
Machine shop turnings	7.75 to 8.00
Railroad malleable	.... 10.00

Wire Rope—Prices are lower and the new discounts are 47 and 5% from list for galvanized and 55 and 5% for bright. At these discounts the net price of wire rope at the mill is as follows:

Diameter in Inches	Price per Foot — Cast Steel	Crucible Steel	Plow Steel
2½	$0.75	$0.90	$1.07
2¼	0.61	0.73	0.86
2	0.47	0.57	0.67
1¾	0.39	0.49	0.58
1½	0.28	0.34	0.40
1¼	0.20	0.24	0.27
1	0.13	0.15	0.18
¾	0.08	0.09	0.11
⅝	0.06	0.07	0.08

Chain—Prices are steady and without change, as follows: These prices are per 100 lb., f.o.b., Pittsburgh:

¾ in.	$7.50	½ and ⅝ in.	$3.00
⅞ in.	4.95	⅝ and ¾ in.	2.90
⅞ in.	3.95	⅝ and ⅞ in.	2.80
⅝ in.	3.40	⅞ and 1 in.	2.70
⅞ in.	3.20	1 to 1¼ in.	2.60

EXTRAS TO ABOVE LIST PER 100 LB.

	For BB	For BBB
⅜-in. and ¼-in.	$1.50	$2.00
⅞-in. and larger	1.25	1.75

Coke—The financial difficulties of the Tower Hill-Connellsville Coke Co., together with those of J. V. Thompson, have resulted in an unsettled condition of the coke industry. Besides, the demand appears to be less than normal and lower prices are reported. Cosumers appear to have supplied their needs for the first part of the present year and producers are not expecting an active demand for some time. Standard makes of blast-furnace coke for immediate shipment are quoted at $1.50 to $1.60, and on contracts for future delivery at $1.65 to $1.75 per net ton at oven, and best grades of 72-hr. foundry coke are $2 for prompt shipment and $2.15 to $2.25 per ton net at oven on contracts for delivery to July 1.

REINFORCING MATERIALS

Bars, Concrete Reinforcing—No change was made in the price of bars for February delivery, which was expected in view of the higher prices for other steel products. For later deliveries, higher prices are demanded, 1.15c. being the base price for March and 1.20c. for April. Prices for other sizes are as follows:

Size	Cents per Pound: Mill Shipments Pittsburgh	*Warehouse Pittsburgh	Delivered from *Warehouse New York
¾-in. and larger...	1.10	1.50	1.95 to 2.00
⅝-in.	1.15	1.65	2.00 to 2.05
½-in.	1.30	1.80	2.15 to 2.20
⅜-in.	1.40	1.90	2.25 to 2.30
¼-in.	1.70	2.20	2.60 to 2.65

*Bars from warehouse are cut to desired length without extra charge.

Triangle Mesh—Prices continue without change as follows:

PRICE PER 100 SQ. FT.

Style No.	Cross Sec. Area per Ft. Width	Plain Material: Carload Lots	Plain Material: Less Than Car Lots and Over 10,000 Sq. Ft.	Galvanized: Carload Lots	Galvanized: Less Than Car Lots and Over 10,000 Sq. Ft.
†4	$0.102	$1.00	$1.23	$1.12	$1.34
5	0.077	0.80	0.97	0.89	1.00
6	0.058	0.63	0.77	0.71	0.84
†7	0.041	0.49	0.60	0.55	0.66
†23	0.170	1.69	2.05	1.88	2.24
24	0.142	1.46	1.77	1.62	1.93
25	0.124	1.29	1.57	1.43	1.71
†26	0.110	1.17	1.42	1.30	1.55
†27	0.085	0.96	1.17	1.07	1.28
28	0.066	0.80	0.97	0.89	1.06
29	0.049	0.66	0.80	0.73	0.87
31	0.261	2.49	3.02	2.76	3.29
32	0.225	2.16	2.62	2.40	2.86
33	0.196	1.93	2.34	2.14	2.55
34	0.146	1.48	1.80	1.64	1.96
35	0.109	1.117	1.42	1.30	1.55
36	0.075	0.87	1.05	0.97	1.15
38	0.380	3.55	4.30	3.93	4.68
†39	0.325	3.05	3.70	3.38	4.03
40	0.283	2.68	3.25	2.97	3.54
41	0.208	2.05	2.48	2.27	2.70
42	0.151	1.55	1.88	1.72	2.05
†43	0.101	1.10	1.34	1.23	1.46

†This material is made in regular widths of 18, 22, 26, 30, 34, 42, 46, 50, 54 and 58 in. Standard lengths in rolls are 150, 250, 300 and 600 ft.

CLAY PRODUCTS

Sewer Pipe—Business during the month has been very quiet. Discounts are as follows: 3- to 24-in., 78%; 27- to 30-in., 70%; 33- to 36-in., 65%. At these discounts, net prices are as follows:

PRICE OF SEWER PIPE PER FOOT

Size		Size	
3-in	$0.055	18-in.	$0.418
4-in.	0.055	20-in.	0.495
5-in.	0.088	22-in.	0.66
6-in.	0.088	24-in.	0.715
8-in.	0.1265	27-in.	1.35
10-in.	0.184	30-in.	1.65
12-in.	0.22	33-in.	2.20
15-in.	0.297	36-in.	2.45
18-in.	0.418		

Flue Lining—The market remains unchanged, and a discount of 80% off list is quoted. At this rate, prices are as follows:

FLUE LINING PRICE PER FOOT

Size	Weight in Lb.	Price per Ft.	Size	Weight in Lb.	Price per Ft.
4½x8½-in.	14	$0.07	8½x18-in.	45	$0.18
4½x13-in.	20	0.09	13x13-in.	45	0.17
7½x7½-in.	15	0.08	13x18-in.	57	0.24
8½x8½-in.	18	0.09	18x18-in.	75	0.40
8½x13-in.	28	0.13			

METALS

Copper—Orders for copper for export continue large, Russia being the heaviest buyer for shipment, via Japan. The export demand, together with the local activity, has resulted in a marked advance in prices. It is thought by those in the trade that the demand for foreign consumption will result in a larger output by the mines in spite of the large supplies in warehouses. Indications point to exports amounting to at least 60,000,000 lb. for January. For American consumption, deliveries this month have been larger than during December, although there has been little increase in consumption on domestic account. Local manufacturers' melting has increased, due to export orders for finished materials. Buying of wire bars and electrolytic copper by manufacturers is likely to continue, as important orders are being received daily. Lake copper is strong, the ruling price being 15c., while electrolytic is quoted at 14.75c. The general condition of the trade is considered to be much better than for any time since the summer months, and while the recent advance may be partially the result of speculation, there is no doubt that there is a large genuine demand.

Tin—The market has developed strength and prices have advanced materially. Spot tin sold at 35.75c. in lots of 25 tons, while five-ton lots were dealt in at 36.25c. January arrivals amounted to about 3500 tons and there are afloat 2900 tons. The interest, however, is confined to spot tin and not to the future position, consumers being inclined to take chances on being able to buy to better advantage as time advances. Lack of shipping facilities from the Far East is one of the controlling factors in the situation which is not likely to improve until conditions become more settled.

Lead—The market for lead has been strong. Prices are higher, spot being quoted at 3.65c. to 3.70c., New York, and 3.55c. to 3.60c., East St. Louis.

Spelter—Prices are much higher, due to an insistent demand from domestic consumers. While lower prices have been predicted, they have not yet materialized. Spot in the open market sold for 7.37½c., New York, and 7.12½c., East St. Louis.

Antimony—Prices for antimony have advanced materially, special brands being in a much stronger position. Cookson's is quoted at 20c. per lb., Hallett's 19c., while ordinary brands sold at from 16c. to 17c. per lb.

Miscellaneous Metals—Prices are generally higher, mainly due to the advance in copper, together with a more lively demand. Quotations for small lots are as follows:

	Per Pound
Bismuth	$3.80 to $4.10
Brass tubes, iron-pipe sizes:	
½ in.	17.25c.
¾ in. to 3 in.	16.25c.
3½ in.	16.25c.
4 in.	17.25c.
Brass rods	15.25c.
Brass sheets	15.50c.
Solder	22.50c.
Copper tubes	21.25c.
Zinc sheets	9.50c. to 10c.
Copper sheets	19.75c.
Pig tin (five-ton lots, cash)	35c.

Old Metals—The market for old metals has been narrow, the demand being extremely small. Dealers' buying quotations are as follows:

	Cents per Pound
Copper, heavy and crucible	12.10
Copper, heavy and wire	11.75
Copper, light and bottoms	10.50
Brass, heavy	8.25
Brass, light	6.75
Heavy machine composition	10.25
Composition turnings	8.75
Lead, heavy	3.20
Zinc scrap	4.50

MISCELLANEOUS

Rubber—The price of rubber is lower than at any time in the last five years. The leading American manufacturers have secured the consent of the British Government to export rubber from Great Britain to the United States under certain restrictions. Stocks in Great Britain and the United States are sufficient for the present demand, and it is significant to note that manufactured supplies have had a sharp fall in prices. Quotations are as follows: Up River Para fine, 58 to 60c.; Up River Para coarse, 44 to 46c.; Island fine, 55 to 58c.; Island coarse, 29 to 30c.; Balata sheet, 50 to 52c.; Ceylon sheet, 62c.; Ceylon pale crepe, 61½ to 63c.

Machine Tools—Activity among certain classes of the machine tool manufacturers has probably never been more pronounced than in the last six weeks. Foreign buyers have purchased lathes in unusual numbers, and milling machines have lately been in good requisition. Foreign buyers have not only taken new tools, but have made serious inroads on the stock of second-hand machines, of which there was an enormous supply. Most of the machinery taken has been of the smaller types, but, owever, a few automatic machines have been purchased, and some boring mills. Turret lathes have been in exceptionally good demand. This machinery goes not only to Great Britain, but to France, Italy, and a large amount to Russia.

Railway Ties—With the exception of a few inquiries from foreign markets for special sizes in railway ties, there has been no noticeable improvement during the month. Standard first-class ties are quoted as follows: 7x9 in. x 8 ft. 6 in., 72c.; 6x8 in. x 8 ft., 63c. These prices are f.o.b. New York.

Lighterage Limits—The free delivery or "Lighterage Limits" in New York are as follows: In Manhattan, from a point opposite the Fort Lee ferry, south along the Hudson River around the Battery and north along the East and Harlem Rivers to the Jerome Ave. Bridge at 155th St. In New Jersey, south from Fort Lee ferry to Bayonne City, points on the north and east shores at Staten Island, between Bridge Creek (Arlington) and Clifton, both inclusive, and including Elm Park, Erastina and Shooters Island. In Brooklyn, from 69th St., Bay Ridge, north to Pot Cove, Astoria, Borough of Queens.

Immigration—The monthly bulletin of the Bureau of Immigration shows that 26,298 aliens were admitted in November, the smallest number in any month in recent years. The immigration of aliens, for a series of months, is compared with previous years as follows:

	1914	1913	1912	1911
January	44,708	46,441	38,453	36,361
February	46,873	59,156	45,380	42,826
March	92,621	96,859	91,185	81,687
April	119,885	136,271	99,839	98,936
May	107,796	137,262	113,635	95,361
June	71,728	176,261	92,425	71,019
July	60,377	138,244	78,101	57,737
August	37,706	126,180	82,377	50,110
September	29,143	136,347	105,611	62,599
October	30,416	135,140	108,300	69,418
November	26,298	104,671	94,739	61,765
December	.....	95,387	76,315	59,841

RAILWAYS

Virginia—Southern Ry.—Surveys are being completed by this company for the construction of a second track on its line from Arrowhead to Elma, Va. W. H. Wells, Washington, D. C., is Ch. Engr. Const.

North Carolina—Carolina & Yadkin River Ry.—This company contemplates the extension of its line from Denton to Troy, N. C., about 25 miles. E. C. Deal, Greensboro, N. C., is Vice-Pres. and Ch. Engr.

South Carolina—Carolina, Atlantic & Western Ry.—Plans are being considered by this company for the construction of an extension from Charleston, S. C. to Savannah, Ga. William Moncure, Raleigh, N. C., is Ch. Engr.

South Carolina—According to press reports J. C. Brewerton, Fayetteville, N. C., has secured the right-of-way for his proposed railway from the timber land on the Congaree River to his cooperage plant near Columbia, S. C.

Georgia—Carolina, Atlantic & Western Ry. — See item under South Carolina.

Louisiana—It is reported that surveys are being made for the construction of a logging road for the Chess & Wymond Co., from Rayville, La., to Calvert, where a connection with the Memphis, Helena & Louisiana R.R. will be made.

Kentucky—Chesapeake & Ohio Ry.—According to press reports this company contemplates the extension of its Beaver Creek branch from Beaver, Ky., to Wayland, Ky. C. W. Johns, Richmond, Va., is Engr. Branch Lines.

Missouri—Ozarks Ry.—Plans are being considered by this company for the construction of a 215-mile railway to connect Springfield, Mo., and Little Rock, Ark. K. V. Loba, Mountain Home, Ark., is Pres.

Arkansas—Ozarks Ry.—See item under Missouri.

Arkansas—Black Mountain & Eastern R.R.—This company has been incorporated to construct a railway from Combs to Gass, Ark., about 20 miles. The directors are Edward E. Jeter, Combs, J. H. Phipps, J. M. Williams and W. J. Reynolds, Fayetteville.

Arkansas—Memphis, Dallas & Gulf R.R.—This company contemplates the construction of a railway from Shawmut to Arkadelphia, Ark., about 50 miles. W. P. Hart, Nashville, Ark., is Ch. Engr.

Arkansas—De Queen & Eastern R.R. — See item under Oklahoma.

Texas—San Antonio, Fredericksburg & Northern Ry.—The construction of a 125-mile extension from Fredericksburg to Brownwood, Tex., will soon be started by this company. R. A. Love, San Antonio, is Pres.

Oklahoma—De Queen & Eastern R.R.—The construction of a railway from Broken Bow, Okla., to De Queen, Ark., about 26 miles, is contemplated by this company. J. C. Leeper, Broken Bow, is Ch. Engr.

New Mexico—Atchison, Topeka & Santa Fé Ry.—Surveys are being made by this company for the extension of its line from Des Moines, N. M. to Clovis, N. M. F. M. Bisbee, Amerillo, Tex., is Ch. Engr. Western Lines.

Idaho—Western Pacific Ry.—B. F. Bush, Pres., announces that funds for construction of the Boise-Winnemucca branch of the road, have been secured, and construction will soon be started. T. J. Wyche, San Francisco, Calif., is Ch. Engr.

ELECTRIC RAILWAYS

Lynchburg, Va.—The Lynchburg Traction & Light Co. contemplates building extension to Madison Heights over the proposed viaduct from Seventh and Commerce St. across the James River. J. W. Hancock, Lynchburg, is Gen. Ggr. and Pur. Agt.

Radford, Va.—Plans are being considered for the construction of an electric railway to connect Radford and Willis, about 28 miles. A. J. McClung, Secy. Bd. of Trade, Radford, is interested.

Princeton, W. Va. — Plans are being prepared by the Princeton Power Co. for the construction of 13 miles of new track. S. J. Evans, Princeton, is Pres. and Gen. Mgr.

Tarpon Springs, Fla.—According to press reports the construction of an electric railway from Tarpon Springs to Fivay, about 12 miles, is under consideration. W. L. Sontag, Alabama Hotel, St. Petersburg, and M. L. Waggoner, Third Ave. South, St. Petersburg, are interested.

Gadsden, Ala.—Preliminary arrangements are being made to start work in the spring on the construction of an electric railway to connect Gadsden and Center. Louis Hart, Gadsden, is interested. Noted Nov. 12.

Mobile, Ala.—The Mobile Light & R.R. Co. proposes to construct two loop lines in Mobile to connect its present tracks. P. P. Crafts, Mobile, is Mgr.

New Iberia, La.—The Southwestern Traction & Power Co. is preparing plans for the construction of an electric railway to connect New Iberia and St. Martinville, about ten miles. The company is also considering the construction of a line from Jeanerette to Berwich, about 50 miles. W. S. Heming, New Iberia, is Ch. Engr.

Shreveport, La.—Plans are being considered by the Shreveport Traction Co. for the extension of its electric railway from Waverly to South Highlands. W. A. Sullivan, Shreveport, is Gen. Mgr. and Pur. Agt.

Newport, Tenn.—The Carolina, Greenville & Northern R.R. Co. is making preliminary arrangements for the construction of its proposed electric railway from Kingsport to Newport. H. S. Reed, Los Angeles, Calif., is Pres. Noted Dec. 31.

Cleveland, Ohio—The Cleveland, Southwestern & Columbus Ry. Co. contemplates the construction of an electric railway to connect Berlin Heights, Wakeman, New London, Plymouth, New Washington and Bucyrus. E. F. Schneider, Cleveland, is Gen. Mgr. and Pur. Agt.

Cleveland, Ohio — The Cleveland Ry. Co. has submitted plans to the Madison Ave. Civic Association for the construction of an electric railway on Madison Ave. from West 117th St. to Rocky River. George L. Radcliffe, Cleveland, is Gen. Mgr.

Chicago, Ill.—The city contemplates an expenditure of $3,000,000 for a motorbus transportation system. John Ericson is City Engr.

Kankakee, Ill.—According to press reports the right-of-way from Lafayette to Rensselaer has been secured for the construction of the proposed electric railway from Lafayette to Kankakee.

Ludlow, Ill.—The Kankakee & Urbana Traction Co. contemplates the extension of its line north from Ludlow. T. W. Shelton, Urbana, Ill., is Ch. Engr.

Columbus, Kan.—The Oklahoma & Interstate Ry. Co. is making preliminary arrangements to start work in the spring on the construction of its proposed electric railway to connect Columbus, Galena and Baxter Springs, Kan., and Commerce and Miami, Okla. Noted July 16.

Galina, Mo.—The Southwest Missouri R.R. Co. contemplates the extension of its line from Galena to Commerce. E. J. Pratt, Webb City, is Supt. and Pur. Agt.

St. Louis, Mo.—The United Ry. Co. of St. Louis contemplates the extension of its Fourth St. line through the Lafayette Park district. Robert McCulloch, St. Louis, is Pres., Gen. Mgr. and Pur. Agt.

Brenham, Tex.—Surveys are being made for the construction of an electric railway to connect Brenham, Independence and Washington. L. M. Hewitt, Bryan, is interested. Noted Nov. 12.

San Angelo, Tex.—Plans are being considered by the San Angelo St. Ry. Co. for the construction of an extension to its line. R. S. Grimes, San Angelo, is Supt.

Brigham City, Utah.—The Ogden Rapid Transit Co. is preparing plans for the extension of its line from Wellsville to Brigham City. P. D. Kline, Ogden, is Gen. Mgr.

Santa Barbara, Calif.—The City Council has granted a franchise to Richard Hamilton Gaud to construct and operate an electric railway on certain streets in the city.

LIGHT, HEAT AND POWER

Auburn, Maine—The City Council is considering the installation of a municipal electric-light plant. It has been suggested that a vacant school building be used for the installation of a steam-driven electric generating plant. The estimated cost of such a plant is $50,000. R. A. Swift is City Engr.

Framingham, Mass.—Bids will be received until Feb. 6 by the State Board of Education for the wiring and electrical and boiler work in a dormitory building for the State Normal School. David Snedden is Chn. of Bd. Grey Lowell, 12 West St., Boston, is Arch.

✚Lynn, Mass.—(Official)—The Lynn Gas & Electric Co. has awarded the contract for the foundation of its new gas holder to the MacARTHUR CONCRETE PILE & FOUNDATION CO., 11 Pine St., New York. The contract for the tank was awarded to the BARTLETT-HAYWARD CO., Baltimore, Md. The holder will have a capacity of 5,000,000 cu.ft.

Providence, R. I.—The Providence Gas Co. plans to lay 7000 ft. of new gas pipe, and will build a new gas holder at Hartford and Petteys Ave. John W. Ellis is Pres. and Mgr.

New Haven, Conn.—The Winchester Repeating Arms Co. has taken out a permit for the construction of an addition to its gas plant on Newhall St. It will cost $6200.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were opened Jan. 25 for electrical equipment in new Public School 95, Van Sicklen St. and Neck Rd., Borough of Brooklyn, as follows: New York Construction Co., $7796; Jandous Electrical Equipment Co., $7900; Wimpie Electric Co. Inc., $9250; Peet & Powers, $7570 (approximately); T. Frederick Jackson Inc., $7564. Noted Jan. 21.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were opened Jan. 25 for installing heating and ventilating apparatus in Public School 36, Stagg and Ten Eyck St., between Bushwick Ave. and Waterbury St., Borough of Brooklyn, from the following: Blake & Williams, $18,214; Grimshaw & Sturges, $17,841; William J. Olvany, $17,535; Osborn, Rea & Co., $18,556; Daniel J. Rice, $18,992; Raisler Heating Co., $19,600; James Curran Mfg. Co. Inc., $17,778; George E. Gibson Co. Inc., $20,300; Philip & Paul, $18,583. Noted Jan. 21.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were received Jan. 29 by the Board of Trustees, Bellevue and Allied Hospitals, for reconstructing the existing branch circuits of the electric lighting system, additional gas piping, and gas and electric fixtures for the main building of the Harlem Hospital from: E. J. Electric Installation Co., New York, $3310; Reis & O'Donovan Inc., $7980; Lewis H. Woods, $6475; Frank Neheling, $4713; C. J. McCullough, $4788. Noted Jan. 21.

Butler, N. J.—(Official)—Bids will be received until 8 p.m., Feb. 15, by the Lighting Committee of the Borough Council of Butler for the construction of a municipal electric-light plant, including building for power station, oil engines, generators, switchboards, distributing system, etc. Runyon & Carey, 845 Broad St., Newark, N. J., is Engr.-in-Charge.

✚Wilkes-Barre, Penn.—The Board of Directors of the Wilkes-Barre Private Ward Hospital has awarded the contract for electrical work in the new hospital building to SHEPHERD & RUST, 42 West Market St., Wilkes-Barre. The plans provide for an indirect lighting system throughout, power installation for motors, heating apparatus, vacuum cleaning, ventilating and signaling systems, passenger and freight elevators, and for electro-therapeutic work and X-ray apparatus.

Cleveland, Ohio—Bids will be received until Feb. 5 by the Commissioner of Purchases and Supplies, City Hall, for storage battery set to operate electric switches and signals for substation, for the municipal electric-light plant.

Cleveland, Ohio—Bids will be received until noon, Feb. 10, by the Commissioner of Purchases and Supplies for piping and valves in connection with a 100-kw. turbine. Bids will

be received until noon, Feb. 12, for fiber conduit for the municipal electric light department. F. W. Ballard, 1443 East Third St., is Comr. of Light and Heat Dept.

Columbus, Ohio—The Board of Commissioners of Franklin County is reported to be considering plans for an electric-power plant to light the Court House, the county morgue, the infirmary buildings and Memorial Hall.

Findlay, Ohio—It is reported that the Modern Light & Power Co., recently incorporated with a capital of $10,000, will build an electric-light plant for local service. R. C. Bishop, P. D. Elsea and E. B. Newman are interested.

Detroit, Mich.—Press reports state that the Edison Illuminating Co. of Detroit will soon begin the construction of a $125,000 substation on Congress St. near Cass Ave. The building will cost about $40,000, and the equipment $85,000. About 5000-kw. will be generated at first, but eventually it will be increased to 10,000-kw. Alexander Dow is Pres. and Gen. Mgr. of the company.

Lansing, Mich.—F. W. Blackmar, Chn. of the Prison Commission, has recommended, in a recent report to the Governor, the installation of a new power plant at the Lansing State Penitentiary. The probable cost of the plant will be $50,000.

West Branch, Mich.—It is reported that Francis E. Hatch, Detroit, Mich., has purchased an electric-light plant at West Branch, and will spend about $30,000 in enlarging and improving it.

Medford, Wis.—The Medford Light & Heating Co. contemplates, so it is reported, the construction of a new power house and the installation of sufficient new equipment to furnish a 24-hr. service. William Ungrodt, Medford, is Supt. and Ch. Engr.

Hibbing, Minn.—According to press reports, the Water and Light Commission is considering the purchase of a new site, and constructing an entire new municipal power plant, including a condensing system, which will appreciably reduce the amount of fuel required. John Curran is Chn. of Water and Light Comn. Noted May 14 and June 11.

Imogene, Iowa—The City Council is considering the establishment of a municipal electric-light plant. It is reported that energy for its operation will be obtained from the Shenandoah plant.

Schleswig, Iowa—It is reported that the City Council has made an appropriation of $16,000 to be used for the construction of a municipal electric-light plant.

Edgar, Neb.—Plans are being prepared for remodeling the municipal electric-light plant. John Kaminske is Pur. Agt.

Knobnoster, Mo.—The Standard Engineering Co., Republic Bldg., Kansas City, Mo., is preparing plans for the construction of an electric-light plant in Knobnoster, to cost about $15,000. It is reported that bids will be asked for the equipment about Feb. 15.

Casa Grande, Ariz.—F. H. Brackett, Colin Cameron and Frank H. Hitchcock have applied to the City Council for a franchise to construct and operate an electric-light plant in Casa Grande. The estimated cost of the improvement is $100,000. An ice factory and water-works system will possibly be built.

Prescott, Ariz.—It is reported that the Arizona Power Co. plans to construct three miles of 45,000-volt transmission line, and install a substation at Carlisle with an output of 2000 hp. M. V. Watson is Mgr.

Castella, Calif.—The California-Oregon Power Co., San Francisco, contemplates extending its transmission lines from Castella, Shasta County, to the Coffee Creek mining district, a distance of 25 miles. A. L. Rosborough, San Francisco, is Secy. and Gen. Mgr.

BRIDGES

✚Van Buren, Maine—(Official)—A contract has been awarded to the MacARTHUR CONCRETE PILE & FOUNDATION CO., 11 Pine St., New York, N. Y., for the concrete pile foundation of the bridge to be built over the St. John River between Van Buren, Maine, and St. Leonard, N. B. Noted Jan. 30, 1913, and Oct. 29, 1914.

✚✚Wawarsing, N. Y.—(Official)—The Town Board of Wawarsing has awarded the contract for the construction of a 197-ft. bridge over Rondout Creek to the LACKAWANNA BRIDGE CO., Buffalo, N. Y., at $8490. S. S. Shurter is Town Supt. Noted Jan. 7.

Camden, N. J.—In accordance with an ordinance recently adopted by the City Council, the Pennsylvania R.R. plans to build a new reinforced-concrete bridge over its tracks at 27th St. The estimated cost is $100,0000. A. C. Shand, Philadelphia, Penn., is Ch. Engr.

Freehold, N. J.—Press reports state that the Board of Chosen Freeholders of Monmouth County and the Jersey Central Traction Co. will build a $40,000 drawbridge at the mouth of Matawan Creek on the Keyport and South Amboy Rd. The bridge will be 30 ft. wide.

Harrisburg, Penn.—(Official)—Plans are not yet ready for bids for the new double track railway bridge to be built by the Cumberland Valley R.R., over the Susquehanna River at Harrisburg. It will consist of 21 74½-ft. and 24 77-ft. concrete arches, and one 70-ft. steel, half-through plate girder for double track. About 75,000 cu.yd. of concrete will be required. The estimated cost is $750,000. Thomas B. Kennedy, Chambersburg, Penn., is Engr.-in-Charge. Noted Jan. 1 and 15, Apr. 16, 1914, Jan. 21, 1915.

Bedford City, Va.—(Official)—Bids will be received until noon, Feb. 16, by the Clerk of the Circuit Court of Bedford County, for the construction of a 209-ft. bridge over Elk Creek, about three miles from Forest. The Childrey Co., Richmond, Va., is Engr.-in-Charge.

✚Richmond, Va.—(Official)—The State Highway Commission has awarded the contract for the construction of a reinforced-concrete bridge over the Chickahominy River between Henrico and Hanover Counties, to SHIRLEY CARTER, Ashland, Va. Six other bids were received. Noted Jan. 21.

✚Bradentown, Fla.—(Official)—The Commissioner of Public Works has awarded the contract for the construction of a Scherzer rolling lift bridge to A. C. FOX & CO., Dayton, Ohio, at $9315. There were ten bids received, the highest of which was $11,500. Noted Dec. 10 and 24, Jan. 21.

Jacksonville, Fla.—The recommendation for a new bridge over Hogans Creek at Liberty St. has been made. It is reported that the present City Council will request the incoming Council to appropriate $20,000 for the purpose.

✚Pine Hill, Ala.—The Gulf, Florida & Alabama Ry. has awarded the contract to the AMERICAN BRIDGE CO., 30 Church St., New York, N. Y., for a new railway bridge over the Alabama River near Pine Hill. It will have a draw span 292 ft. long, two through trusses, each 146 ft. long, and three deck plate girder approach bands, each 45 ft. long.

Harrodsburg, Ky.—The Fiscal Court of Mercer County will build a new bridge over the Chaplin River at Bailey's Ford.

Hindman, Ky.—It is reported that the Fiscal Court of Knott County has decided to build a bridge over the left fork of Troublesome Creek.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Feb. 26, by the Board of Commissioners of Hamilton County, for the construction of two concrete bridges. Under Specification No. 730, a bridge on the Pippin road, Colerain Township; Specification No. 732, a bridge on the Owl Creek road, Colerain Township. Fred E. Wesselman is Pres. Bd. of Comrs.

Cleveland, Ohio—Bids will be received until noon, Feb. 16, by the Commissioner of Purchases and Supplies, Room 511, City Hall, for the east section of the steel superstructure of the Clark Ave. Viaduct. Bids will be received at the same time for repairs to pier protections, and creosoted wood paving blocks and floor planking for various city bridges. Robert Hoffman, 405 City Hall, is City Engr.

Marion, Ohio—The Board of Commissioners of Marion County has instructed the County Engineer to prepare plans for two county bridges. One will be a 140-ft. span and the other a 60-ft. span, both with 16-ft. roadways. P. R. Mears is Mgr.

✚Marion, Ohio—The Board of Commissioners of Marion County has awarded contracts for furnishing creosoted floor blocks for a number of county bridges to the MODERN CONSTRUCTION CO., Fremont, Ohio, at $8231, and the STANDARD ENGINEERING CO., Toledo, at $6673.

Toledo, Ohio—Press reports state that the City Council has instructed the Director of Public Service to prepare plans for a bridge over Swan Creek at Champion St.

✚Greenville, Ill.—(Official)—The County Superintendent of Highways of Bond County has awarded the contract for the construction of a reinforced-concrete bridge in Central Township, to CONNOR & VAN DALSEN, Greenville, at $5775. Eighteen bids were received, ranging in amount from $5775 to $8195. Noted Jan. 21.

✚Pecatonia, Ill.—(Official)—The contract for the construction of two reinforced-concrete bridges in Winnebago County, one in Pecatonia Township, and the other in Seward Township, has been awarded to W. A. LILJEQUIST, Freeport, Ill. J. S. Tarbert is Town Clk. Noted Jan. 14.

✚Madison, Wis.—The City Council has awarded the contract for the construction of a reinforced-concrete arch at Mendota Beach to WEBBER & GAY, Madison, at $7385.

Milwaukee, Wis.—See item under "Miscellaneous": Park Improvements.

Knoxville, Iowa—(Official)—Bids will be received until 1:15 p.m., Feb. 23, by J. D. Schlotterback, Audr. of Marion County, for the construction of two groups of county bridges, the estimated total cost of which is $36,759. Bids will be received at the same time for four groups of reinforced-concrete box culverts, 69 in all, estimated to cost $22,548. W. O. Price is County Engr.

Bemidji, Minn.—Bids will be received until Feb. 5 by J. L. George, Audr. of Beltrami County, for constructing a 120-ft. bridge over the Rapid River. It will cost about $6500. Bids will be received at the same time for a number of culverts.

Ayr, Neb.—(Official)—The Commissioners of Adams County, Hastings, have rejected all bids received Jan. 14 for a 250-ft. bridge over the Little Blue River, south of Ayr. The Board of Commissioners will probably buy the material and build this bridge with its own forces. C. N. Hudson is County Clk. Noted Jan. 21.

Kearney, Neb.—The Boards of Commissioners of Buffalo County, Kearney, and Kearney County, Minden, will soon hold a joint meeting to confer on the question of replacing the wooden bridge over the Platte River south of Kearney with a new concrete structure. The present bridge is about one mile long.

Kearney, Neb.—(Official)—All bids received Jan. 25 by the City Council for the construction of a steel arch were rejected. No further bids will be asked for the present, on account of financial conditions. T. N. Hartzell is City Clk. Noted Jan. 7.

Kansas City, Mo.—Press reports state that bids will soon be asked for the construction of a $30,000 bridge over the tracks of the Chicago & Alton R.R. on Blue Ave. between Kansas City and Independence, Mo. The bridge will be built jointly by the railroad company and Jackson County under the supervision of the State Utilities Commission. Plans are in charge of Waddell & Harrington, Orear-Leslie Bldg., Kansas City, Mo. Noted Oct. 15.

Kansas City, Mo.—It is reported that the Park Board will soon advertise for bids for the construction of a concrete viaduct at 77th St. and the Paseo, Kansas City. The estimated cost is $40,000.

Harrisburg, Tex.—It is reported that the Commissioners Court of Harris County, Houston, has instructed the County Engineer to prepare plans for a new steel bridge over Brays Bayou at Harrisburg to replace the present structure. The estimated cost is $15,000.

Houston, Tex.—(Official)—Bids will be received until 2 p.m., Feb. 10, by the City Engineering Department for the construction of the Milam St. Bridge. The estimated cost is $37,000. E. E. Sands is City Engr.

+San Antonio, Tex.—The Commissioners Court of Bexar County received bids for the construction of a bridge over the Medina River at the Applewhite crossing as follows: DePUY & RANNEY, $5377 (awarded contract); J. H. Richardson, $7500; Charles M. Schoenfeld, $6250, and the Topeka Bridge & Iron Co., $5400. Noted Jan. 14.

Tucumcari, N. M.—(Official)—Bids will be received until 11 a.m., Feb. 11, by the Board of Commissioners of Quay County, for the construction of a 400-ft. pile bridge. The stimated cost is $4000. D. J. Finegan is County Clk. Noted Jan. 21.

Montesano, Wash.—The Board of Commissioners of Chehalis County plans the following bridge work: A bridge on the Compton section of the Whishkah road; two bridges across the West Fork of the Whishkah River; one bridge over the Satsop River on the Olympic Highway, and a bridge at the old ford of the Wyanootchee River. Bids will be asked in the early spring. W. C. Birdwell is County Clk.

Seattle, Wash.—It is reported that the Department of Public Utilities and the railways interested in the grade separation project at Argo, have decided to build an 800-ft. viaduct. The estimated cost is $400,000.

Portland, Ore.—(Official)—Bids will be received until 10 a.m., Feb. 17, by the Board of Commissioners of Multnomah County for the construction of three reinforced-concrete bridges on the Columbia Highway. Plans on file with State Highway Commission, Court House, Portland, or at the State House, Salem.

Famoso, Calif.—Bids will be received until 10 a.m., Feb. 10, by the Board of Supervisors of Kern County, Bakersfield, for the construction of a reinforced-concrete bridge over Poso Creek near Famoso. It will be about 90 ft. long. Noted Dec. 24.

+Glendale, Calif.—(Official)—The Board of City Trustees has awarded the contract for the bridge over Verdugo Wash on Canada Blvd., to MESMER & RICE, Los Angeles, Calif., at $28,200. Noted Jan. 29 and Sept. 17, 1914, and Jan. 14, 1915.

Holtville, Calif.—It is reported that the City of Holtville and the Board of Supervisors of Imperial County, El Centro will build a 100-ft. bridge over the Alamo River at Sixth St. Holtville. The bridge will be of reinforced-concrete, with a 30-ft. jetty at each end. It will cost about $6000.

Kerrwood, Ont.—It is reported that bids will be received until Feb. 13 by H. Thompson, Township Clk., for the construction of a steel bridge over Steer's Creek.

Winnipeg, Man.—(Official)—Bids will be received until Feb. 15 by the Secretary of the Board of Control for the construction of a steel bridge over the Lee River. It will have two spans. E. V. Caton is Ch. Engr. Noted Dec. 10.

WATER SUPPLY—IRRIGATION

Anson, Maine—The citizens plan to build a municipal water system.

Portland, Maine—Press reports state that the Portland Water District plans to issue bonds for $100,000, the proceeds of which will be used for the extension of the water system. Bion Bradbury is City Engr.

Brookline, Mass.—An election will be held in March to vote on the question of issuing bonds for $200,000, the proceeds of which will be used for the improvement of the water system. The improvement includes the installation of slow-sand filters with pre-filter and clear water reservoir and low-lift pumps. Noted Dec. 17.

+Mount Morris, N. Y.—(Official)—Bids will be received until 2 p.m., Feb. 15, by the Municipal Board for constructing a new distributing system. J. Aubrey Striker is Village Clk.

Perth Amboy, N. J.—The city plans to construct a reservoir in the northwestern section of the city. C. Jorgensen is Chn. in charge.

Frederick, Md.—William H. Boardman, Consult. Engr., Philadelphia, Penn., recommends the construction of a storage reservoir with a capacity of 20,000,000 gal. Noted Oct. 29.

Gordonsville, Va.—Bids will be received until Feb. 15 by W. H. Sindlinger, Chn. Water Comn., for enlarging the reservoir on Cameron's Mountain. About 1000 cu.yd. of concrete and 3000 cu.yd. of earth will be required.

Bridgeport, W. Va.—According to press reports the citizens voted in favor of issuing bonds for $23,500, the proceeds of which will be used for the construction of water and sewer systems.

Cameron, W. Va.—The Baltimore & Ohio R.R., according to press reports, will build a 500,000,000-gal. water tank near Cameron. F. L. Stuart, Baltimore, Md., is Ch. Engr.

St. Marys, W. Va.—The citizens contemplate constructing a reservoir, estimated to cost $8000. J. H. McBride is City Recdr.

Nashville, N. C.—The citizens contemplate issuing bonds, the proceeds of which will be used for the installation of a water system.

Norlina, N. C.—An election will probably be held to vote on the question of issuing bonds, the proceeds of which will be used for the construction of a water system.

Union, S. C.—An election will be held Feb. 16 to vote on the question of issuing bonds for $25,000, the proceeds of which will be used for the extension of the water and sewer systems.

Hawkinsville, Ga.—An election will be held Feb. 17 to vote on the question of issuing bonds, the proceeds of which will be used for the construction of a water system. G. W. Jordan is Mayor.

Belzoni, Miss.—A pump with a capacity of from 432,000 to 720,000-gal. will be purchased by the city. J. J. Sisloff is Supt.

+New Iberia, La.—The contract has been awarded to H. S. SEALY by the City Commissioners at $17,000, for constructing a reinforced-concrete filtered water receiving storage basin.

Akron, Ohio—Bids will be received until noon, Feb. 9, by C. P. Parker, Dir. of Pub. Serv., for a venturi meter.

Brewster, Ohio—Bids will soon be received, according to press reports, for the construction of a water system. The estimated cost is $21,000. The W. J. Sherman Co., Toledo, is Engr. Noted Sept. 17.

Cambridge, Ohio—Plans prepared by the W. J. Sherman Co., Toledo, for the construction of a water system, have been approved by the City Council.

Cincinnati, Ohio—The United States Cast Iron Pipe & Foundry Co., Chicago, Ill., was low bidder for 1880 tons of pipe for the high pressure fire service, and the Kennedy Valve Co. was low bidder on valves and fire plugs. Bids were opened Jan. 29. Noted Jan. 21.

Cleveland, Ohio—Bids will be received until noon, Feb. 12, by the Commissioner of Purchases and Supplies, Rm. 511 City Hall, for galvanized steel pipe and cement for the water department. Specifications are on file with Charles F. Schultz, Comr. of Water.

East View, Ohio—(Warrensville post office)—Bids will be received until noon, Mar. 8, by Charles E. Burger, Clk., for laying water mains, paving and constructing sewers in various streets. The F. A. Pease Engineering Co., Marshall Bldg., Cleveland, is Engr.

Euclid, Ohio—(Official)—Bids will be received by H. S. Dunlop, Clk., until noon, Mar. 8, for constructing a 10-in. water main in Bliss Rd., St. Clair Rd. and in Upson Rd. Noted Jan. 28.

+New Boston, Ohio—(Portsmouth post office)—The contract for constructing a water system has been awarded to the STANDARD SUPPLY CO., at $16,481.

+Mishawaka, Ind.—The contract has been awarded to F. M. PRESCOTT STEAM PUMP CO., Milwaukee, Wis., at $12,035, for pumping engines for the water-works. Noted Dec. 10.

Paoli, Ind.—The construction of a filtration plant is under consideration. A. J. Rhodes is Village Clk.

Rock Island, Ill.—The Board of Public Improvements has recommended that a 10-in. water main be laid in Ninth and 12th St. between Brashar St. and Center station. The estimated cost is $11,000. W. Treichler is City Engr.

Staunton, Ill.—At a recent election the citizens defeated the bond issue for $20,000, the proceeds of which was to have been used for the installation of pumps at the water-works.

+Carroll, Iowa—The contract has been been awarded to the ALMO ENGINE & SUPPLY CO., Omaha, Neb., at $13,527, for making extensions to the water system. Noted Sept. 3 and 24.

Kinney, Minn.—Bids will soon be received by Russell Goudge, Village Clk., for the laying of water mains, constructing a pumping plant and a reservoir. The estimated cost is $10,000. S. S. Rumsey, Oliver Iron Mining Co., Virginia, is Ch. Engr. Noted Jan. 28.

Osseo, Minn.—Bonds for $11,000 have been voted by the citizens, the proceeds of which will be used for the construction of a water system. W. C. Buck, 921 Fremont Ave. South, Minneapolis, is Mgr.

+St. Paul, Minn.—It is reported that the contract has been awarded to the NATIONAL CAST IRON PIPE CO., Birmingham, Ala., at $25,000, for 1146 tons of c.-i. pipe.

+Little River, Kan.—(Official)—The contract has been awarded to the SUTHERLIN CONSTRUCTION CO., Kansas City, Mo., for constructing a water system. Noted June 4 and Sept. 17.

Mankato, Kan.—Harper & Stiles, Grand Ave. Temple, Kansas City, Mo., is preparing plans for the improvement of the water system.

Pratt, Kan.—Plans are being prepared by E. T. Archer & Co., New England Bldg., Kansas City, Mo., for the construction of an addition to the water-works and electric-light plant. M. P. Jones is City Clk.

Pretty Prairie, Kan.—A bond issue for $17,000 was defeated by the citizens at an election held Jan. 18. The proceeds was to have been used for the installation of a water system. W. H. Hanes is City Clk. Noted Dec. 24 and Jan. 7.

Eagle, Neb.—Bids will be received until 3 p.m., Feb. 8, by the village for constructing a water system. Plans are on file with George Reitter, Village Clk.

Valentine, Neb.—Bonds for $9000 have been voted by the citizens, the proceeds of which will be used for the installation of a water system.

Bruce, S. D.—The citizens contemplate constructing a municipal water system.

Laramie, Wyo.—(Official)—Bids will be received by F. J. Coolican, City Clk., until 7:30 p.m., Feb. 23, for making extensions to the water system. Materials will be required as follows: 15,000-ft. of 14-in. gravity supply main, 3200-ft. of 12-in. gravity supply main, 200 to 400-tons of c.-i. pipe and specials.

+Monett, Mo.—Press reports state that the contract has been awarded to the KEYSTONE DRILLER CO., Carthage, at $20,000, for making improvements to the water system. Noted July 16 and Aug. 6.

Oregon, Mo.—The city plans to improve its water system by installing a purification plant, laying water mains and constructing a standpipe. Morton R. Martin is Supt.

Fayetteville, Ark.—The installation of a water filter or clarifying system is contemplated by the Water Commissioners, according to press reports. H. Sour is Supt.

Newport, Ark.—It is reported that the Arkansas Power Co., Malvern, will buy the Coöperative Electric Light Co. of Newport. Improvements will be made.

Ennis, Tex.—I. Wereskoild, Consult. Engr., Dallas, has been retained by the city for the improvement of the water and sewer systems. Bonds for this purpose have been voted. Noted July 9.

Magnolia, Park, Tex.—(Houston post office)—Bids will be received until Feb. 5 by John B. York, City Attorney, for the purchase of $94,000 in bonds, the proceeds of which will be used for the construction of a municipal water system. Noted Dec. 24.

Cordell, Okla.—(Official)—Bids will be received until 7:30 p.m., Feb. 8, for making extensions to the water system at New Cordell. Plans are on file with the Benham Engineering Co., American National Bank Bldg., Oklahoma. Noted Mar. 19 and Jan. 21.

Roberts, Idaho—An election will be held to vote on the question of issuing bonds, the proceeds of which will be used for the construction of water and sewer systems.

Bellingham, Wash.—The construction of water mains in Walnut and J St. has been recommended to the City Council by Charles N. Beal, Supt. of Water-Wks.

Roslyn, Wash.—A special election will be held in March to vote on the question of issuing bonds for $10,000, the proceeds of which will be used for the extension of water system to Perrow Creek.

Riddle, Ore.—Press reports state that the Neenah Oregon Land Co. will build an irrigation and power dam on the South Umpqua River above Day's Creek. I. P. Gardner is Mgr.

Vale, Ore.—The Succor Creek Irrigation District has been formed and will irrigate 8000 acres in Malheur County, Ore., and in Owyhee County, Idaho. J. S. Wheeler is interested.

Azusa, Calif.—F. C. Roberts, Consult. Engr., Los Angeles, has been retained by the city to prepare plans for the construction of a new municipal water system. Noted Oct. 22 and Nov. 19.

Fairfield, Calif.—The Sacramento Valley Land & Water Co., recently incorporated, will construct an irrigation system in Solano and Yolo Counties. Among the incorporators are R. T. Stone and L. M. Stone, Davis, Calif.

San Bernardino, Calif.—The Water Commissioners have authorized the construction of a 20-in. water main in Sixth St. from Seventh to A St. Frank Smith is City Engr.

San Diego, Calif.—A special election will be called by the City Trustees to vote on the question of issuing $29,000 in bonds, part of which will be used for the extension of the water system. William M. Rumsey is City Engr.

Aylmer, Que.—A by-law has been passed by the citizens authorizing the extension of the intake pipe. The estimated cost is $12,000. James Baillie is Mayor. Noted Dec. 3.

Alexandria, Ont.—A by law has been passed by the ratepayers authorizing the expenditure of $5000 for the improvement and extension of the water system and electric-light plant. S. McDonnell is Town Clk. Noted Jan. 28.

Brockville, Ont.—The city plans to construct a filtration plant with a capacity of 4,000,000 gal. G. H. Bryson is Engr.

++Winnipeg, Man.—(Official)—The contract has been awarded by the Greater Winnipeg Water District to C. J. ANDERSON, Kenora, Ont., at $12,765, for the excavation of the channel between Indian Bay and Snowshoe Bay. Noted Dec. 24.

Kaslo, B. C.—The City Council plans to spend $5000 for the improvement of the water system. W. E. Hodder is Clk.

SEWERS

+Boston, Mass.—The contract has been awarded to the WEST ROXBURY TRAP ROCK CO., at $44,470, for constructing the Dorchester Brook sewer. Other bidders were: Antony Baruffaldi, $46,538; M. Russo & Son Co., $47,255; Henry Spinach Contracting Co., $47,739; William J. Barry, $47,868; James J. Conway, $50,309; Peter Bompiani Co., $51,221; A. G. Tomasello, $52,705; Antony Cefalo, $52,758; McCarthy & Walsh, $53,242; George M. Bryne, $54,120; Coleman Bros., $54,983; William Barrett & Co., $56,459; Peter W. Hill, $58,954; John Landis, $59,139; Charles Latorella, $59,959; John Guarino, $62,204; Robert L. Barrett, $62,874; Hugh Nawn Contracting Co., $63,706. L. K. Rourke is Comr. Pub. Wks. Noted Jan. 14.

+Boston, Mass.—The contract for constructing surface drains and catch-basins in Gainsborough and other streets has been awarded to JOHN LANDIS, at $5404. Other bids were: McCarthy & Walsh, $6109; Antony Cefalo, $6398; Antony Baruffaldi, $6493; Andrew M. Cusack, $6542; M. H. Kelley, $6556; John McCourt Co., $6660; Louis Balboni, $6887; William L. Dolan, $6956; James J. Conway, $7505; Caruso & Bruni, $8143; John F. Lynch, $8333; Louis W. Hickey, $12,301. L. K. Rourke is Comr. Pub. Wks. Noted Jan. 7.

+Fall River, Mass.—(Official)—The contract has been awarded by the Reservoir Commission to the HANSCOM CONSTRUCTION CO., Boston, at $173,833 for constructing a reinforced-concrete intercepting drain under Contract No. 1. List of bidders noted Sept 17. H. K. Barrows is Consult. Engr.

★Warren, R. I.—(Official)—Bids will be received until 2 p.m., Feb. 16, by the Sewer Commissioners, for constructing 15,000 ft. of 8- to 18-in. sewers, sedimentation tanks, two small collection wells and motor houses. William H. Smith is Secy. For details see advertisement under "Contracts to Be Let." Noted Dec. 3.

Hartford, Conn.—O'Neil Bros., Hartford, was low bidder at $8800 for constructing sewers in Franklin Ave., Montowese St. and Victoria Rd. Bids were opened Jan. 26. Noted Jan. 21.

Albany, N. Y.—(Official)—Hering & Gregory, Consult. Engr., New York, N. Y., has been retained by the Board of Contract and Supply to prepare plans for an electrically operated sewage-pumping station to be built in connection with the sewage-disposal works.

Middletown, N. Y.—Plans, prepared by Johnson & Fuller, Consult. Engr., New York, for the construction of a sewage-disposal plant have been approved by the State Board of Health. Noted Apr. 23.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were received Jan. 28 by Marcus M. Marks, Pres. Borough of Manhattan, for changing sewers in various streets as follows: Park Ave., Marrow Construction Co., $6927; Fitzgerald & Brennan, $6141; Melrose Construction Co., $4830; P. Reilly, $5000, and P. J. Kearns, $5566; in 44th St., Fitzgerald & Brennan, $10,284; P. J. Kearns, $10,000; Gasparrini & DeBlaseo, $10,168; J. J. Haidwen, $9943; Melrose Construction Co., $11,128, and P. Reilly, $9190. Noted Jan. 21.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 10:30 a.m., Feb. 9, by the Board of Health, Municipal Bldg., Manhattan, for installing lighting, ventilation and moving pumps and all necessary alterations, and all other work incidental thereto in the sewer tank building on the grounds of the Kingston Ave. Hospital.

+New York, N. Y.—(Borough of Queens)—(Official)—The Contract has been awarded to JOSEPH L. SIGRETTO & CO., Richmond Hill, New York, N. Y., at $6793, for constructing a sewer in Lefferts Ave., $1005 for a sewer in Flushing Ave. and $4029 for a sewer in Atlantic Ave. Bids were opened Jan. 28. Noted Jan. 21.

Rochester, N. Y.—Plans have been prepared and submitted to the State Board of Health by Edwin A. Fisher, City Engr., for the construction of a sewage-disposal plant. Noted Jan. 21.

Hackensack, N. J.—The Hackensack Improvement Committee is considering the construction of a sanitary sewer system and a sewage-disposal plant.

Orange, N. J.—The towns of Orange, East Orange and Montclair are considering the construction jointly of a sewage-disposal plant. John H. Gregory, of Hering & Gregory, New York, N. Y., is Engr.

Ventnor, N. J.—(Atlantic City post office)—Bids will be received until 8 p.m., Feb. 15, by the Common Council, for constructing 3460 ft. of intercepting sewer, 8330 ft. of 14-in., c.-i. force main and a sewage-disposal plant. W. I. Risley, 648 Bartlett Bldg., Atlantic City, is Engr.

Bellwood, Penn.—Harvey W. Linton, Altoona, has been retained by the Council to prepare plans for the installation of a sewer system. Noted Nov. 26.

Bridgeport, W. Va.—Press reports state that bonds for $23,500 have been voted by the citizens, the proceeds of which will be used for the construction of sewers.

Nashville, N. C.—The citizens contemplate issuing bonds, the proceeds of which will be used for the construction of a sewer system.

Union, S. C.—An election will be held Feb. 16 to vote on the question of issuing $25,000 in bonds, the proceeds of which will be used for the construction of sewers.

Hawkinsville, Ga.—An election will be held Feb. 17 to vote on the question of issuing bonds for $20,000, the proceeds of which will be used to construct a sewer system. G. W. Jordan is Mayor.

Richland, Ga.—The citizens contemplate issuing bonds, the proceeds of which will be used for the construction of sewers.

Miami, Fla.—The city plans to build sewers in the section north of the city cemetery. B. H. Klyce, 52 Real Estate Bldg., Miami, is Engr.

Cleveland, Ohio—Press reports state that Newton D. Baker, Mayor, has approved an ordinance providing for the construction of a sewer in Dugway Brook between Helena and Primrose Ave.

East View, Ohio—(Warrensville post office)—See item under "Water Supply-Irrigation."

Flint, Mich.—An election will be held Feb. 17 to vote on the question of issuing $106,726 in bonds for constructing storm and sanitary sewers.

+Lockport, Ill.—A contract for constructing 8½ miles of 8- to 30-in. pipe sewers has been awarded to YALE & REAGAN, Chicago, at $59,995. Noted Dec. 3 and 10.

+Sandstone, Minn.—A contract for constructing a sewer system has been awarded to CHARLES ECKLUND & CO., Duluth. Noted Jan. 7.

Eldorado, Kan.—Bids will be received until Feb. 16 by O. C. Allebach, City Clk., for constructing a sewage disposal system. J. H. Austin is City Engr.

Broken Bow, Neb.—Press reports state that an election will be held Feb. 9 to vote on the question of issuing $17,000 in bonds for constructing sewers. R. E. Thompson is City Clk.

Howard, S. D.—Press reports state that the citizens voted Jan. 10 in favor of issuing $24,000 in bonds for constructing a sewerage system.

+Kansas City, Mo.—The contract for constructing lateral sewers has been awarded to M. WALSH, 2915 East 23d St., at $103,800.

+Dallas, Tex.—The City Commissioners have awarded the contract to the WINSLETT-ELDRIDGE CO., at $11,941, for constructing a sewer in Commerce St. between the Houston & Texas Central R. R. right-of-way and Race St.

Ennis, Tex.—See item under "Water Supply-Irrigation."

Waco, Tex.—At a recent election the question of issuing $14,000 and $4,000 in bonds for constructing sanitary and storm sewers respectively was defeated.

+Portland, Ore.—The contract for constructing the Willow St. extension of the East Stark St. trunk sewer has been awarded to WILLIAM LIND, at $148,639. Noted Dec. 24 and Jan. 28.

St. Thomas, Ont.—Plans have been prepared by W. N. Ferguson, Engr., for the construction of a storm sewer system. The estimated cost is $45,000.

New Westminster, B. C.—The City Council contemplates an expenditure of $10,000 for the extension of the sewerage system.

GARBAGE

Cambridge, Mass.—Mayor Good has ordered the jurisdiction over garbage collection to be transferred from the Overseers of the Poor to the Street Department. An order has been issued transferring $9000 from the reserve fund to carry out the work for the fiscal year, ending Mar. 31.

New York, N. Y.—(Borough of Queens)—(Official)—The following bids were received Jan. 29 by the Borough President for the general construction of a destruction plant at Ridgewood: McHarg Barton Co., $72,400; Northeastern Construction Co., $98,000; Kelley & Kelley, $97,800; Marble Arch Co., $104,000; William Werner, $105,888; T. A. Clark Co., $106,400. Noted Jan. 21.

†Lyndhurst, N. J.—The Union Township Board of Commissioners has awarded the contract for the removal of garbage for one year to JAMES HENDRICKS.

†Weehawken, N. J.—The Township Committeee, Jan. 18, awarded the contract for the removal of garbage and ashes to HARRY E. MUECKE, Weehawken, at $4500. Noted Jan. 14.

Wilmington, Del.—The City Council has approved two bills which will be submitted to the Legislature: One will give the Street and Sewer Department jurisdiction over the collection of garbage eliminating private contractors; the other will give the Council power to govern the disposal. The Council is considering the purchase of an incinerator now operated by private interests.

†St. Petersburg, Fla.—The contract for the construction of the municipal incinerating plant has been awarded to FRANK ESTES, at $5000.

Ashland, Ohio—The City Service Director has been authorized to receive bids and award contract for the collection and disposal of garbage for one year.

Dayton, Ohio—(Official)—Bids will be received at the office of Hugh E. Hall, City Accountant, until noon, Feb. 9, for the sale of $45,000 in bonds, the proceeds of which will be used in completing and equipping the city garbage reduction plant. Noted Oct. 22, Dec. 10 and 17.

Salt Lake City, Utah—A recommendation has been made to the city by George W. Snow, Ch., Bureau Mechanical Inspection, that a garbage crematory be constructed.

Portland, Ore.—Press reports state that the City Commissioner is having preliminary plans prepared for the construction of an additional garbage incinerator to cost about $275,000.

Hamilton, Ont.—The Board of Health is considering the proposition to install a garbage incinerator.

Kingston, Ont.—The Board of Health, Hugh McBratney, Chn., is considering the installation of an incinerator for garbage disposal.

Ottawa, Ont.—(Official)—Plans for the construction of the incinerator will soon be prepared by the City Engineering Department. The estimated cost is $60,000. Noted Nov. 26, Dec. 31 and Jan. 14.

STREETS AND ROADS

Mansfield, Conn.—Bids will be received until Feb. 15 by the Board of Selectmen for repairing the town highways for a period of one year. Bradley M. Sears is Town Clk.

Buffalo, N. Y.—Press reports state that the Common Council contemplates repaving Main St.

Dunkirk, N. Y.—The Common Council has directed the City Engineer to prepare plans for resurfacing a section of Central Ave.

Forestville, N. Y.—According to press reports, the citizens at a recent election voted in favor of issuing bonds for paving Main St. Charles McNeal is Village Clk.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received Jan. 27 by L. H. Pounds, Pres., Borough of Brooklyn, for improving (a) Front St. from Adams to Bridge St., (b) Hudson Ave. from Nassau to DeKalb St., as follows: W. J. Scanlon Co., (a) $12,186, (b) $32,407; Charles A. Meyers Contracting Co., (a) $30,236, (b) $27,881; Norton & Gorman Contracting Co., (a) $12,885, (b) $31,080; H. J. Mullen Contracting Co., Inc., (a) $14,286, (b) $32,407; Newman & Carey Co., (a) $14,305, (b) $34,857; M. F. Hickey, (a) $13,024, (b) $29,083; John J. Guinan Contracting Co., (a) $13,915, (b) $31,401; Joseph Johnson Sons, (a) $13,663, (b) $31,694; Rosenthal Engineering & Contracting Co., (a) $31,412, (b) $29,785; Louis Granoto, (a) $13,857, (b) $32,036; Brady-Ottarsh, (a) $13,406, (b) $30,357; Ulrich & Co., (a) $13,146, (b) $28,446; Frank J. Gallagher, (a) $12,968, (b) $38,021; M. J. O'Hara, (a) $13,141, (b) $27,819. Noted Jan. 24.

Buttzville, N. J.—Bids will soon be received for constructing a road from Buttzville to Denville. F. W. Salmon, Netcong, N. J., is Engr.-in-Charge.

New Brunswick, N. J.—The Board of Freeholders has received bids for the construction of the third section of the Roosevelt-Woodbridge Rd. as follows: Schneider & Stelle, New Brunswick, $33,358; M. Irving Demarest, Seawaren, $34,839; Liddle & Pfeiffer, Perth Amboy, $35,719; Baker & Bowner, Inc., New York, $45,897; Thomas H. Riddle, New Brunswick, $36,457; Conrad Sebolt, New Brunswick, $34,158. Noted Dec. 10 and Jan. 21.

Newton, N. J.—The Board of Freeholders has approved revised plans and specifications for the improvement of the Newton-Sparta Rd., providing for a 24-ft. roadway, 14 ft. to be macadam, with 7% grades. The road will be about five miles long and is estimated to cost $36,000. Noted Sept. 24, Oct. 8 and 22.

South Orange, N. J.—The Board of Trustees has passed an ordinance providing for the construction of concrete and cement sidewalks in Waverly Pl.

Trenton, N. J.—The State Road Department is preparing plans for the improvement of the Paterson Plank Rd. from Homestead to the Hackensack River.

Edgewood, Penn.—Bids will be received until 5 p.m., Feb. 8, by B. C. Neal, Borough Engr., for grading, curbing and paving Savannah Ave.

Millvale, Penn.—Press reports state that at a recent election the citizens voted in favor of issuing $95,000 in bonds for improving roads.

Baltimore, Md.—Bids will be received until Feb. 16 by the State Road Commissioners, Garrett Bldg., for the construction of sections of State Highway as follows: Under Contract A B-6, Anne Arundel County, 3.76 miles of concrete, on the Annapolis Blvd.; Contract A-11, Allegheny County, 1.74 miles resurfacing along the National Pike; Contract Bc-18A, Baltimore City, 0.74 mile of sheet asphalt, on Cathedral St., from Mt. Royal Ave. to Madison St.; Contract Ch-11, Charles County, 5.70 miles in 4-in. gravel resurfacing, La Platta to near Ripley; Contract G-8, Garrett County, 0.85 mile resurfacing through Grantsville.

★†Baltimore, Md.—The contract for paving Franklin St. from Pennsylvania to Fremont Ave., Druid Hill Ave. from Paca to McMechen St. and George St. from Myrtle to Pennsylvania Ave. with brick has been awarded to M. O'HERRON & SON, INC., 843 North Howard St., at $53,000. Noted Jan. 14.

Boydton, Va.—The citizens of Mecklenburg County will vote Feb. 10 on the question of issuing $30,000 in bonds for constructing roads in the Bluestone Road District.

Salem, Va.—An election will be held Mar. 2 for the purpose of voting on the question of issuing $90,000 in bonds for constructing 22½ miles of road in the Roanoke County Cave Spring District.

Danbury, N. C.—At the election held Jan. 19 in Quaker Township, Stokes County, the question of issuing $50,000 in bonds was defeated. Noted Jan. 14.

†Quitman, Ga.—A contract for paving 25,000 sq.yd. has been awarded to the GULF PAVING CO., Chattanooga, Tenn. Noted Sept. 24.

Arcadia, Fla.—(Official)—Bids will be received until 2 p.m., Mar. 2, by A. L. Durrance, Clk., Circuit Court, for the sale of $210,000 in bonds for constructing roads and bridges in District No. 1.

De Land, Fla.—At the election held Jan. 13, the question of issuing $45,000 in bonds for paving the business streets and constructing a storm water sewerage system was defeated. Noted Dec. 5.

Houma, La.—The Road Commissioners of Terrebonne Parish contemplate constructing 125 miles of hard-surfaced streets.

Jennings, La.—The City Commissioners contemplate holding an election for the purpose of voting on the question of issuing bonds to gravel and pave streets.

Vanceburg, Ky.—The citizens of Lewis County, at a recent election, voted in favor of issuing $150,000 in bonds for building roads.

Wickliffe, Ky.—The citizens of Ballard County will vote Feb. 27 on the question of issuing $300,000 in bonds for improving roads.

Williamsburg, Ky.—The citizens of Whitley County contemplate holding an election about Apr. 1 to vote on the question of issuing $300,000 in bonds for constructing about 80 miles of road.

Bellaire, Ohio—Bonds for $30,627 were sold Jan. 25, the proceeds of which will be used for improving North Jefferson St. Noted Jan. 14.

†Cincinnati, Ohio—(Official)—A contract for constructing an approach from Clifton Pl. to the athletic field of the University of Cincinnati has been awarded by Daniel Lawrence, Clk., Bd. of Dir. of the University of Cincinnati, to the KIRCHNER CONSTRUCTION CO., Cincinnati, Ohio, at $11,720. Other bids were: Scully Bros., $11,921; Henkel & Sullivan, $11,951; Joseph A. Byrnes, $12,096; C. A. Danenhower, $12,991. Noted Jan. 14.

Cleveland Heights, Ohio—(Warrensville post office)—Bids will be received until noon, Feb. 15, by H. H. Canfield, Village Clk., 309 Beckman Bldg., Cleveland, for improving a section of Exeter Rd. F. A. Pease Engineering Co., Marshall Bldg., Cleveland, is Engr.

East View, Ohio—(Warrensville post office)—See item under "Water Supply-Irrigation."

Lisbon, Ohio—The Commissioners of Columbiana County contemplate an expenditure of $500,000 to improve roads.

Mansfield, Ohio—The Commissioners of Richland County contemplate constructing 35 miles of roads.

Navarre, Ohio—(Official)—The Village Council has engaged an engineer to prepare plans for paving Main and Canal St. with brick. Bonds will be issued and contract awarded in the spring. E. H. Garver is Village Clk.

Toledo, Ohio—Bids will be received until Feb. 16 by Charles J. Sanzenbacher, County Audr., for improving Lockwood Ave.

Michigan City, Ind.—The contract for paving sections of Eighth, Fir and Felton St. has been awarded to W. B. HUTCHINSON, Michigan City. Noted Dec. 3 and 17.

Richmond, Ind.—(Official)—Bids will be received by the Board of Public Works until 10 a.m., Feb. 8, for improving William St.

Port Huron, Mich.—Press reports state that bids will be received until Feb. 11 by A. P. Ryan, County Clk., for constructing 3½ miles of Class E macadam road in St. Clair Township.

Saginaw, Mich.—Press reports state that an election will be held Feb. 17 to vote on the question of issuing bonds for constructing sidewalks and crosswalks.

Elgin, Ill.—Press reports state that Morgan Brightman, City Engr., will prepare plans for paving Porter Ave.

Reading, Ill.—At the election held Jan. 16 the citizens voted in favor of issuing $63,500 in bonds for building roads.

†Rhinelander, Wis.—A contract for constructing the Gogebic county line road has been awarded by the Commissioners of Oneida County to HICKS & BARBER, at $31,050.

Belle Plaine, Iowa—(Official)—Bids will be received by C. E. Greenlee, City Clk., until 3 p.m., Feb. 16, for constructing 32,500 sq.yd. of cement concrete or asphaltic concrete pavement and 23,000 ft. of concrete curb. The Iowa Engineering Co., Clinton, Iowa, is Engr.-in-Charge.

Carroll, Iowa—According to press reports bids will be received by J. A. Dougherty, City Clk., until 8 p.m., Feb. 9, for approximately 33,000 sq.yd. of paving.

Cedar Falls, Iowa—(Official)—Bids will be received until 7:30 p.m., Feb. 16, by the City Council for improving a number of streets. J. W. Milimek is City Clk. and C. H. Streeter is City Engr.

Townsend, Mont.—Bids will be received until 2 p.m., Mar. 3, by William C. Ragen, County Clk., for the sale of $22,000 in bonds, the proceeds of which will be used for improving roads.

✚Belton, Tex.—A contract for constructing 40 miles of gravel road in District No. 7 has been awarded by the Commissioners Court of Bell County to M. W. TAYLOR, Belton, at $97,800. Noted Jan. 7.

Bryan, Tex.—At an election to be held Mar. 3 the citizens of Brazos County will vote on the question of issuing $400,000 in bonds for constructing roads.

Dickens, Tex.—At a recent election the citizens of Dickens County voted in favor of issuing $12,000 in bonds for constructing the county's share of the Fort Worth-Roswell Highway.

✚Sulphur Springs, Tex.—A contract for paving 35,000 sq.yd. with brick has been awarded to THOGMARTIN & GARDINER, Fort Scott, Kan., at $76,747. Noted Dec. 31.

Waco, Tex.—At the election held Jan. 22 the question of issuing $15,000 in bonds for street paving was defeated. Noted Jan. 7.

Idabel, Okla.—At an election held recently the question of issuing $122,000 in bonds for constructing roads and bridges was defeated. Noted Oct. 29.

Pueblo, Colo.—According to press reports bids will be received by D. P. Gaymon, City Engr., until Feb. 15, for paving Main and Court St.

Sandpoint, Idaho—Press reports state the City Council contemplates paving Main St. at an estimated cost of $100,000.

Wenatchee, Wash.—Press reports state that the Commissioners of Chelan County contemplate improving Chelan County State Rd. No. 1. The estimated cost of the work is $83,000.

✚Bakersfield, Calif.—The Board of Supervisors of Kern County has awarded a contract for paving a section of the Bakersfield-Taft Rd. between Bakersfield and the Old River Shore, to GEORGE S. BENSON & SON, at $45,998.

Brawley, Calif.—The City Trustees plan to pave a number of streets. C. J. Park is City Engr. and J. H. Stevenson, City Clk.

Gridley, Calif.—The City Trustees contemplate paving Kentucky, Hazel, Virginia, Georgia and Ohio St.

✚Los Angeles, Calif.—The contract for improving Angelina Ave. has been awarded to W. A. KEEP, Alhambra, at $8983.

✚Monrovia, Calif.—The contract for improving a section of California Ave. has been awarded to JAMES M. MONTGOMERY CO., Alhambra, Calif., at $9660.

Porterville, Calif.—Bids will be received until Feb. 8 by the City Trustees for asphalt paving work. Edward F. Halbert, Davis Blk., is City Clk.

✚San Diego, Calif.—The contract for improving Fourth St. from B to Ivy St. has been awarded to the CALIFORNIA-ARIZONA CONSTRUCTION CO.

North Bay, Ont.—Press reports state an election will soon be held to vote on the question of issuing $60,000 in bonds for improving streets and roads.

INDUSTRIAL WORKS

Boston, Mass.—W. J. McDonald, 95 Milk St., contemplates the construction of a six-story factory.

Brockton, Mass.—Lockwood, Greene & Co., Arch. and Engr., First National Bank Bldg., Boston, are preparing plans for the construction of a four-story, 80x150-ft. warehouse for E. C. Hall & Co.

New Haven, Conn.—Plans are being prepared by Lockwood, Greene & Co., Arch. and Engr., First National Bank Bldg., Boston, Mass., for the construction of a two-story, 60x160-ft. factory for the Mysto Mfg. Co.

Norwich, Conn.—Plans are being prepared by Cudworth & Woodworth, 148 Main St., for the construction of a four-story factory on West Main St.

✚Buffalo, N. Y.—The contract for the construction of a 1,000,000-bu. reinforced-concrete grain elevator for the Eastern Grain, Mill & Elevator Corporation has been awarded to the MONARCH ENGINEERING CO. Noted Jan. 21.

Buffalo, N. Y.—Plans have been prepared by Lockwood, Greene & Co., Arch. and Engr., First National Bank Bldg., Boston, Mass., for the construction of a four-story, 80x200-ft. factory for the Buffalo Meter Co. Noted Nov. 12.

New York, N. Y.—(Borough of Brooklyn)—S. A. Taggart, Arch., Municipal Bldg., New York, is preparing preliminary plans for the construction of a two-story laundry for the Kings County Hospital, Clarkson St., Flatbush. The estimated cost is $75,000.

New York, N. Y.—(Borough of Manhattan)—Plans have been prepared by Otto M. Beck, Arch., for the construction of a five-story, 96x171-ft. fireproof warehouse on 11th Ave., between 27th and 28th St., for the Terminal Warehouse Co. The estimated cost is $60,000. John H. Lynch is Pres.

New York, N. Y.—(Borough of Queens)—The Everett Realty & Construction Co., Flatiron Bldg., Broadway and 23d St., New York, is representative for a company which plans to construct a 12-story, 150x175-ft. factory at Jackson Ave. and 10th St., Long Island City.

New York, N. Y.—(Borough of Queens)—Ole Harrison, Jamaica, L. I., is preparing plans for the construction of a one-story, 100x100-ft. garage on Poplar St., near Union Pl., Brooklyn Hills, L. I., for the Dillman Baking Co. The estimated cost is $10,000.

New York, N. Y.—(Borough of Richmond)—Plans are being prepared by Lockwood, Greene & Co., Arch. and Engr., First National Bank Bldg., Boston, Mass., for the construction of two smelters. One will be one story, 75x300 ft., and the other one story, 50x300 ft., at Tottenville, S. I., for the Nassau Smelting & Refining Works.

Rochester, N. Y.—Plans are being prepared by Foster & Gade, Arch., for the construction of a five-story, 90x200-ft. warehouse on Canal St., for Brewster Gordon & Co., 43 North Water St.

✚Paterson, N. J.—The contract for the construction of two factories at East 37th St. and 21st Ave. for the East Jersey Pipe Co., 50 Church St., New York, N. Y., has been awarded to the McCLINTIC-MARSHALL CO., 13-21 Park Row, New York, N. Y. The estimated cost is $100,000. Noted Sept. 24 and Oct. 22.

Trenton, N. J.—John A. Roebling Sons Co. plans to rebuild its plant, recently destroyed by fire with a loss of $2,000,000.

Altoona, Penn.—The Atlantic Refining Co. plans to construct a 52x80-ft. reinforced-concrete building at Altoona. The estimated cost is $20,000.

Philadelphia, Penn.—Day & Klauder, 925 Chestnut St., are preparing plans for the construction of an eight-story, 92x150-ft. factory at 11th and Brandywine St. for the Edwin J. Schoettle Co., 237 North Sixth St.

Pittsburgh, Penn.—The Logan Gregg Hardware Co. recently purchased a 91x116-ft. site at Anderson and Fayette St. The company plans the construction of an eight-story store and warehouse. The estimated cost is $200,000.

✚Baltimore, Md.—The contract for the construction of a 50x50-ft. plant at 104 South Exeter St., for the Consolidated Beef & Provision Co., has been awarded to the WEST CONSTRUCTION CO., 23 Knickerbocker Bldg. The estimated cost is $25,000. Noted Nov. 19.

Baltimore, Md.—The Yellow Taxicab Co., 701 American Bldg., will construct a 100x150-ft. garage. The estimated cost is $65,000. William G. Nolting, 1012 Keyser Bldg., is Arch.

Charleston, W. Va.—The Becker Steel Co. plans to construct a $15,000 warehouse at Charleston. H. R. Warne is Arch.

✚Dunbar, W. Va.—The Pavey Electric Co. has awarded the contract to W. T. MOORE, of the Dunbar Land Co., for the construction of a two-story, 175x200-ft. factory. The estimated cost is $30,000.

✚Charleston, S. C.—The contract for the construction of a two-story, 100x300-ft. plant for the General Asbestos & Rubber Co. has been awarded to the FISKE-CARTER CONSTRUCTION CO., Greenville, S. C. The estimated cost is $50,000. Noted Jan. 21.

Augusta, Ga.—G. Lloyd Preacher, Arch., is preparing plans for the construction of a one-story, 80x120-ft. automobile assembling plant for the Lombard Works & Supply Co.

Macon, Ga.—Armour & Co., Chicago, Ill., will construct a three-story reinforced-concrete building at Macon, Ga. Robert C. Clark, care of Armour & Co., is Arch.

Jacksonville, Fla.—The Southern Cattle Co. plans the construction of an abattoir. The estimated cost is $25,000.

West Tampa, Fla.—(Tampa post office)—Plans have been prepared by William L. Redditt, Tampa, for alterations and an addition at Nassau and Howard Ave., for the Tampa-Cuba Cigar Co. The estimated cost is $25,000.

Anniston, Ala.—The Farmers' Union Warehouse Co. will construct a two-story reinforced-concrete grain elevator and warehouse. The estimated cost is $18,000. H. D. Breeding, 15 Watts Bldg., Birmingham, is Arch.

Birmingham, Ala.—H. D. Breeding, Arch., 15 Watts Bldg., is preparing plans for the construction of a reinforced-concrete grain elevator for the Western Grain Co. The estimated cost is $15,000.

Girard, Ala.—The Columbus Coca-Cola Bottling Co., Columbus, Ga., contemplates the construction of a bottling plant. The estimated cost is $10,000.

✚Newellton, La.—The Newellton Elevator Co. has awarded a contract to H. G. RUSCHER, Natchez, Miss., for the construction of the foundation of its 50x72-ft. grain elevator. The estimated cost of the work complete is $12,000. Oscar Jones is Engr. Noted Dec. 31.

✚New Orleans, La.—The Jefferson Construction Co. has awarded the subcontracts for the construction of the $1,000,000 cotton warehouses and terminal as follows: J. W. THOMPSON, cement; McCLINTIC-MARSHALL CO., 15,000 tons structural steel; AMERICAN SHEET METAL WORKS, sheet metal; CORRUGATED BAR CO., 31,600 tons corrugated bars; BARNES ELECTRICAL CO., electric installation; CREOSOTED WOOD BLOCK PAVING CO., 9000 creosoted piles; KRACKE & FLADERS CO., 6565 squares of three-ply built-up roofing. Noted Nov. 5, Dec. 24 and 31 and Jan. 7.

Bellevue, Ohio—Carl P. Klein has purchased a site for the Twine Iron & Steel Co. The company plans the construction of a 60x160-ft. factory.

Brewster, Ohio—The Wheeling & Lake Erie R.R. contemplates constructing repair shops. The estimated cost is $40,000. W. L. Rohbock, Cleveland, is Ch. Engr.

Lima, Ohio—The Lewis Bros. Mfg. Co., Rockford, will construct a plant on Union St. near Pearl St. The estimated cost is $50,000.

Grayling, Mich.—The Du Pont de Nemours Powder Co., Wilmington, Del., will construct a plant for the manufacture of alcohol and charcoal. The estimated cost is $150,000.

Chicago, Ill.—Plans have been prepared by George C. Nimmons, Arch., 122 South Michigan Ave., for the construction of a five-story addition for the Jewel Tea Co., 1327 Washington Blvd. The estimated cost is $200,000.

Argyle, Wis.—J. R. Law, Arch., Madison, is preparing plans for the construction of a fireproof garage and machine shop for Phillipson Bros. The estimated cost is $20,000.

New London, Wis.—The Wisconsin Seating Co. plans to construct a three-story, 48x80-ft. and a three-story, 40x40-ft. addition. J. Zaug is Supt.

Wausau, Wis.—Plans are being prepared by architects of the Department of Agriculture, Washington, D. C., for the

construction of a $200,000 packing and cold-storage plant for the Farmers' Cooperative Packing Co., Wausau. D. Sauerhering, M. D., is Pres. Construction will begin about Mar. 1. Noted Jan. 14.

St. Paul, Minn.—The St. Paul Structural Steel Co. has been incorporated with a capital of $50,000. The company plans the construction of a manufacturing plant. Harry C. Palmer is Pres. and Thomas M. Comfort is Secy.

Kansas City, Mo.—The Campbell Baking Co. will construct a concrete bakery at 2939 Troost Ave. The estimated cost is $40,000.

Hillsboro, Tex.—The Marvel Mill Co. contemplates the construction of a grain elevator.

Sterling, Colo.—The Sterling Commercial Club will construct a canning factory at Sterling. The estimated cost is $50,000. C. B. Timberlake, George A. Henderson and Grant Brown are interested.

Seattle, Wash.—The Imperial Candy Co. plans to construct a five-story, 120x120-ft. factory. The estimated cost is $300,000. C. E. Roberts is Pres.

Portland, Ore.—The Commissioner of Public Docks plans to submit to the City Council a $900,000 bond issue, of which $500,000 will be expended for the construction of a municipal grain elevator.

Portland, Ore.—The Oregon Home Builders will construct a 1½-story warehouse on East Broadway near East 33d St. The estimated cost is $35,000.

Longbeach, Calif.—The Halfhill Tuna Packing Co. will erect a factory to cost about $50,000. Charles P. Halfhill is Secy. and Mgr.

Ontario, Calif.—The Southern California Canning Co. plans to expend $60,000 on improvements and additions to its canning plant on East State St. A. C. Harvey is Pres.

Ontario, Calif.—The Homer Motors Co., Los Angeles, plans the construction of a plant. The estimated cost is $100,000. Douglass Long and J. E. Meyer are officials of the company.

San Pablo, Calif.—The Steelite Co. contemplates the construction of a $10,000 plant for the manufacture of explosives.

✚Fort Williams, Ont.—The contract for the construction of a 750,000-bu. grain elevator for the Ogilvie Milling Co. has been awarded to the BARNETT & McQUEEN CO., LTD. The estimated cost is $200,000.

FEDERAL GOVERNMENT WORK

Earthwork—New London, Conn.—Bids will be received by Maj. G. B. Pillsbury, U. S. Engineer office, New London, until 2 p.m., Mar. 1, for bank revetment on the Connecticut River.

Post Office—Stamford, Conn.—Supplementary bids for the construction of a post office at Stamford were received by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., as follows: Charles McCaul Co., Philadelphia, Penn., $115,295; Conners Bros. Co., New York, N. Y., $128,428; William H. Fissell & Co., New York, N. Y., $132,000; John Lowrie, Jr., New York, N. Y., $119,300; Lewis P. Fleuhrer Co., New York, N. Y., $135,025; William H. Egan, New York, N. Y., $134,721; George B. Wills & Co., New York, N. Y., $116,740; Oscawanna Building Co., New York, N. Y., $122,700.

✚Repairs to Breakwater—Stonington, Conn.—The contract for repairing the breakwater in Stonington Harbor has been awarded to E. S. BELDEN & SON, Hartford, at $4850. Noted Dec. 3 and Jan. 21.

Repairs to Post Office—Utica, N. Y.—Bids will be received by W. M. Philleo, Custodian, U. S. post office, Utica, until Feb. 10, for making repairs to the post office.

Experiment Station—Pittsburgh, Penn.—Bids will be received by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Mar. 11, for the construction of the experiment station for the Bureau of Mines. The main building will be three stories of brick and concrete and the boiler house one story of concrete.

Repairs to Vessel—Baltimore, Md.—Bids will be received by the Lighthouse Inspector, until 2 p.m., Feb. 8, for repairing the light house tender "Maple."

★Sewer Construction—Washington, D. C.—Bids will be received by the Commissioners, District Bldg., until 2 p.m., Feb. 8, for the construction of sewers in the District of Columbia. Oliver P. Newman is one of the Comrs.

✚Road—Alexandria, Va.—The contract for the construction of an experimental road on Mount Vernon Ave., in Alexandria County, has been awarded to the WILLIAM P. McDONALD CO., 38 Park Row, New York, N. Y., at $54,174. Noted Jan. 14.

Repairs to Vessel—Charleston, S. C.—Bids will be received by the Lighthouse Inspector, until 2 p.m., Feb. 10, for repairing light vessel No. 84.

★Jetty Work—St. Petersburg, Fla.—All bids received Dec. 30 for building a stone jetty at the entrance to St. Petersburg Harbor have been rejected. Noted Dec. 3 and Jan. 7.

Repairs to Vessel—New Orleans, La.—Bids will be received by the Lighthouse Inspector, until 2 p.m., Feb. 9, for docking and repairing the light house tender "Sunflower."

Repairs to Buildings—New Orleans, La.—Bids will be received by H. R. Stanford, Chief, Bureau of Yards and Docks, Washington, until 11 a.m., Feb. 27, for making repairs to certain buildings at the naval station, New Orleans.

Lock and Dam—Maysville, Ky.—The following are the bids received for constructing Lock and Dam No. 33, near Maysville: Dravo Contracting Co., Pittsburgh, Penn., $1,065,047; National Contract Co., Evansville, Ind., $973,734; Hardaway Contracting Co., Columbus, Ga., $1,047,825; Bates & Rogers Construction Co., Chicago, Ill., $972,544; T. A. Gillespie Co., Pittsburgh, Penn. Noted Dec. 31.

Fuel Flats and Barge—Cincinnati, Ohio—Bids will be received by Lieut. Col. H. Jervey, 405 Custom House, Cincinnati, until 2 p.m., Mar. 2, for constructing and delivering two steel fuel flats, Nos. 18 and 19 and one steel barge, No. 15.

Dredging—Toledo, Ohio—Bids will be received by Maj. P. S. Bond, U. S. Engineer office, Cleveland, Ohio, until noon, Feb. 25, for dredging in Toledo Harbor.

✚Post Office—Gary, Ind.—The contract for the construction of a post office at Gary has been awarded to the CHARLES McCAUL CO., Philadelphia, Penn., at $98,103. Noted Dec. 3 and Jan. 21.

★✚Reconstructing Pier—Michigan City, Ind.—The contract for reconstructing with piles and timber part of the east pier at Michigan City Harbor, has been awarded to BUCK, SMITH & NELSON, Muskegon, Mich., at $25,279. Noted Jan. 28.

Repairs to Vessel—Rock Island, Ill.—Bids will be received by the Lighthouse Inspector, Rock Island, until 2 p.m., Feb. 8, for making repairs and alterations to the light house tender "Goldenrod."

Post Office—Chanute, Kan.—Bids were received by Oscar Wenderoth, Super. Arch., Treasury Dept., for the construction of a post office at Chanute as follows: (a) limestone; (b) sandstone: John W. Pratt, Chanute, Kan., (a) $55,842; (b) $57,293; George W. Stiles Construction Co., (a) $54,640; Frank H. Latimer & Sons, Kansas City, Mo., (a) $58,663; Potter's Lumber Co., East Liverpool, Ohio, (a) $54,700; (b) $56,400; Hiram Lloyd Building & Construction Co., St. Louis, Mo., (a) $56,340; (b) $59,340; Volney E. Taylor, Huntington, W. Va., (a) $57,000; (b) $62,000; Newport Contracting & Engineering Co., Newport News, Va., (a) $58,109; Mayben & Freuchtel, Gadsden, Ala., (a) $50,790; (b) $52,590; Dieter & Wenzel Construction Co., Wichita, Kan., (a) $56,149; (b) $57,589; John Lof, Omaha, Neb., (a) $57,897; Bailey-Marsh Co., Minneapolis, Minn., (a) $56,800. Noted Dec. 24.

Post Office and Court House—McCook, Neb.—Bids were received for the construction of a post office at McCook, as follows: (a) stucco-faced building with limestone base and trimmings: (b) sandstone; (c) limestone-faced building (d) sandstone-faced building: M. Yeager & Son, Danville, Ill., (a) $103,966; (b) $109,316; (c) $112,919; (d) $118,269; F. P. Gould & Sons, Omaha, Neb., (a) $109,681; (c) $119,986; Campbell Building Co., of Utah, Salt Lake City, Utah, (a) $101,836; (b) $103,000; (c) $109,896; (b) $111,000; Bailey-Marsh Construction Co., Minneapolis, Minn., (a) $99,875; (c) $108,625; W. D. Lovell, Minneapolis, Minn., (a) $104,365; (c) $114,765; W. M. Sutherland Building & Construction Co., St. Louis, Mo., (a) $102,866; (c) $112,289; Dieter & Wenzel Construction Co., Wichita, Kan., (a) $102,000; (c) $112,000; King Lumber Co., Charlottesville, Va., (a) $111,000; (b) $116,000; (c) $120,000; (d) $130,000; C. E. Goodhand, Omaha, Neb., (a) $89,950; (c) $98,250; J. H. Wiese, Omaha, Neb., (a) $103,810; (c) $112,265; Hiram Lloyd Building & Construction Co., St. Louis, Mo., (a) $107,898; (b) $110,898; (c) $116,666; (d) $119,666; Walter Petersen, Omaha, Neb., (a) $102,559; (c) $114,995; J. E. & A. L. Pennock, Philadelphia, Penn., (a) $105,600; (b) $109,400; (c) $114,200; (d) $120,700; Volney E. Taylor, Huntington, W. Va., (a) $99,000; (b) $106,000; (c) $109,000; (d) $118,000; George W. Stiles Construction Co., Chicago, Ill., (a) $15,500; (c) $115,150. Noted Jan. 7.

✚Post Office—Bozeman, Mont.—The contract for the construction of a post office at Bozeman has been awarded to the OLSON & JOHNSON CO., Missoula, Mont., at $62,575. Noted Jan. 14.

★Bridge—Great Falls, Mont.—The following are the bids received for erecting one highway and pipe bridge of two spans, each composed of three trusses, 97½ ft. long, for the St. Mary Storage Unit, Milk River Project: Central States Bridge Co., Indianapolis, Ind., $8066; East St. Louis Bridge Co., East St. Louis, Ill., $7625; Minneapolis, Bridge Co., Minneapolis, Minn., $7635; Vincennes Bridge Co., Vincennes, Ind., $8408; Minneapolis Steel & Machinery Co., Minneapolis, Minn., $7971; Chicago Bridge Iron Co., Chicago, Ill., $9084; Security Bridge Co., Billings, Mont., $9013 (for pin connected trusses); $11,016 (for riveted trusses); Des Moines Bridge & Iron Works, Des Moines, Iowa, $9790; Milwaukee Bridge Co., Milwaukee, Wis., $10,628; Midland Bridge Co., Kansas City, Mo., $10,713; U. S. Bridge Co., Great Falls, Mont., $11,821. The above bids are for delivery f.o.b. Browning. Noted Dec. 17.

Post Office—Ennis, Tex.—Bids were received for the construction of a post office at Ennis, as follows: (a) light-colored granite, local; (b) light-colored granite, other than local: Reveron Construction Co., Uniontown, Ala., (a) $53,815; (b) $54,908; Frank H. Latimer, Kansas City, Mo., (a) $56,480; Newport Contracting & Engineering Co., Newport News, Va., (a) $55,411; (b) $54,411; George A. Shaul, Seneca, Kan., (a) $56,251; (b) $56,251; Volney E. Taylor, Huntington, W. Va., (b) $51,450. Noted Dec. 24.

✚Roof Work—Denver, Colo.—The contract for roof work on the post office and court house has been awarded to LOUIS VAN DORP, Topeka, Kan., at $7040. Noted Jan. 7 and 12.

✚Post Office—La Junta, Colo.—The contract for the construction of a post office at La Junta has been awarded to the GEORGE W. STILES CONSTRUCTION CO., Rookery Bldg., Chicago, Ill., at $77,414. Noted Jan. 14.

✚Buildings—Bremerton, Wash.—The contract for constructing three temporary ward buildings at the Puget Sound hospital, has been awarded to BERT WARD, Seattle, Wash., at $12,614. Noted Jan. 21.

✚Locomotive Crane—Pearl Harbor, H. T.—The contract for furnishing two locomotive cranes for use in the Naval Station, Pearl Harbor, has been awarded by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., to the AMERICAN HOIST & DERRICK CO., St. Paul, Minn., at $13,939; and for three electric shop cranes at the same station to MANNING, MAXWELL & MOORE, New York, N. Y. at $9483. Noted Dec. 3. and 24.

MISCELLANEOUS

Broken Stone and Sand—Boston, Mass.—Bids will be received until Feb. 10 by L. K. Rourke, Comr. Pub. Wks., for furnishing broken stone, bank gravel and sand during the year 1915.

Fire Station—Milford, Conn.—Plans are being prepared by Brown & Von Beren, Arch., for a two-story fire station to be constructed on Factory Lane.

✚Roofing—New York, N. Y.—(Borough of Manhattan)—(Official)—The Department of Charities has awarded the contract for roofing work at Randall's Island to NEWMAN & SIEGLER, 98 East Seventh St., New York, at $10,595. Noted Jan. 21.

Stable and Section House—New York, N. Y.—(Borough of Brooklyn)—(Official)—The following bids were received Jan. 29 by the Borough President for the construction of a stable and section house at Ridgewood for the Street Cleaning Department: Brady-Oltarsh Construction Co., $59,470; J. Kressi Co., $60,700; Kelley & Kelley, $62,170; William Werner, $65,000; H. C. Stowe Construction Co., $66,170; Simon Russek, Inc., $67,390; William A. Eagan, $68,965, Marble Arch Co., $70,000; T. A. Clarke Co., 74,700. Noted Jan. 21.

✚Floors—Hudson, N. Y.—(Official)—Bids will be received until 2 p.m., Feb. 12, by Mary Hinckley, Pres., N. Y. State Training School for Girls, for furnishing and laying new floors in Cottages Nos. 1, 2, 3 and 4. For details see advertisement under "Contracts to Be Let."

Motor Fire Apparatus—Camden, N. J.—The ordinance providing for a bond issue of $100,000 for motorizing the apparatus of the Fire Department, has been sent back to the Finance Committee because of defects. Noted Jan. 21.

Ferry Improvements—Elizabeth, N. J.—The Elizabethport & Staten Island Ferry Co. plans to make improvements and build additions to its slips and ferry houses at Elizabethport and Staten Island. An electric lift bridge will be installed at Elizabethport. The estimated cost is $40,000. P. G. Bassett is Supt.

Fire Station—Hoboken, N. J.—(Official)—The following bids were received Jan. 27 by the city for the construction of the fire station at Second and Jefferson St.: B. Vizzetti, $40,874; Andrew J. Phelan, $37,750; M. T. Connolly, $41,497; J. J. Egan, $39,000; Coma Construction Co., $42,500; G. DiKimp, $38,800; Limouze Bros., $38,849. Noted Nov. 26, Dec. 17, Jan. 7 and 14.

✚Shore Protection—Long Branch, N. J.—The contract for repairing jetties and constructing wooden cribbing has been awarded by the City Commissioners to THOMAS PROCTOR, Long Branch, at $28,246. Other bids were: McHarg, Barton Co., New York, $31,433; B. R. Simpson, Elizabeth, N. J., $55,603. Noted Dec. 31.

Market—Newark, N. J.—The following bids were received Jan. 29 by the city for the construction of the Center St. Market: Essex Construction Co., Newark, $560,700; W. G. Sharwell, $598,357; E. M. Waldron & Co., $605,506; Frederick Yeatzler, Inc., $633,000; Philip L. Mackinson, $648,400; W. H. & S. Cane, $654,788; Champ & Co., $663,174; Edward M. Waldron, Inc., $660,000.

✚Dredging—Baltimore, Md.—The Board of Awards has awarded the contract for general dredging in the harbor for the year to the MARYLAND DREDGING CO., at $40,000.

★✚Dredging—Baltimore, Md.—The Board of Awards has awarded the contract for dredging the channel from Lazaretto Light to the piers of the transatlantic liners to the COASTWISE DREDGING CO., Norfolk, Va., at $142,400. Noted Jan. 28.

★✚Levee—Augusta, Ga.—The River and Canal Commission has awarded the contract for the construction of Section 4, requiring 250,000 cu.yd. of filling and 30,000 cu.yd. of excavation, to C. E. TEAGUE, Columbia, S. C., at 14 and 16c. per cu.yd., respectively. Nisbit Wingfield is Ch. Engr. Noted Jan. 7.

✚Levee—Clarksdale, Miss.—The Yazoo Delta Levee Board has awarded the contract for the construction of 2,000,000 yd. of levee to FRANK T. CONSTANT, Alexandria, La. The estimated cost is $400,000.

Drainage District—Baton Rouge, La.—Press reports state that Mayor A. Grouchy, Jr., advocates the creation of a drainage district in the southern part of the parish. Estimated cost, $150,000.

✚Stadium Approach—Cincinnati, Ohio—The contract for constructing the approach to the stadium to be built on Carson Field has been awarded to the KIRCHNER CONSTRUCTION CO., Cincinnati, at $12,000.

✚Memorial Terrace—Put-In-Bay, Ohio—(Official)—The Stewart Engineering Corporation, general contractor for the construction of the Perry Memorial Terrace has awarded the contract for the necessary concrete piling to the MacARTHUR CONCRETE PILE & FOUNDATION CO., 11 Pine St., New York, N. Y. J. H. Friedlander and A. D. Seymour are Associate Archs. Boller, Hodge & Bayard is Consult. Engr. Noted Nov. 26.

✚Ditch—Milford, Ind.—The contract for the construction of the Omar Neff Ditch, Kosciusko County, has been awarded to YODER & SWARTZ, Nappanee. The estimated cost is $25,832.

Elimination of Grade Crossing—Flint, Mich.—An election will be held Feb. 17 to vote on a bond issue of $50,000 for the construction of a subway under the tracks of the Pere Marquette R. R.

✚Drydock—Chicago, Ill.—The American Shipbuilding Co., 2017 Superior Ave., Cleveland, Ohio, has awarded the contract for the construction of a 700-ft. drydock at South Chicago to the GREAT LAKES DREDGE & DOCK CO., at $325,000.

Drainage—Gibson City, Ill.—The Commissioners of Sangamon and Drummers Drainage District have had plans prepared for a drainage system for the city. The estimated cost is $36,700. C. F. Helman is Engr.

Drainage—Lewistown, Ill.—Charles E. Bradbury, Engr., Banner, Ill., is preparing plans for a drainage system in the North Liverpool Drainage District, Fulton County, comprising 2700 acres; also for the reclamation of 3700 acres lying between Liverpool dyke and the head of Thompson Creek.

★✚Drainage—Quincy, Ill.—The Fabius Drainage District has awarded the contract for levee work to the W. E. CALLAHAN CONSTRUCTION CO., Omaha, Neb., and for the construction of ditches to T. C. STEVENS CO., Des Moines, Iowa. The estimated cost of the two contracts is $300,000.

Ditches—Clintonville, Wis.—Bids will be received until 2 p.m., Feb. 12, by O. R. Schwantes, Clk., Dillow Valley Drainage Commission, for constructing ditches requiring 27,315 cu.yd. of earth excavation. N. H. Smith, Oshkosh, is Engr.

Park Improvements—Milwaukee, Wis.—The Board of Park Commissioners has commissioned Alfred C. Clas, Arch., to prepare plans for the construction of a reinforced-concrete grandstand, a 50x200-ft. reinforced-concrete and stucco clubhouse, and a two-span, steel trestle over the tracks of the Chicago & Northwestern Ry. Bids will be received about Feb. 15. Frank P. Schumacher is Secy., Bd. Park Comrs.

✚Ditches—Bemidji, Minn.—The following contracts have been awarded: For the construction of Judicial Ditch No. 23, 316,000 cu.yd. of excavation, JOHN C. PARKER, Bemidji, at $77,826; Judicial Ditch No. 26, 115,000 cu.yd., S. V. TOPPING, Spooner, Minn., at $35,000; Judicial Ditch No. 28, 200,000 cu.yd., KOHLER CONTRACTING CO., Frazee, Minn., at $55,943. Noted Jan. 7.

Ditches—Fairmont, Minn.—Bids will be received until Feb. 9 by H. C. Nolte, County Audr., for the construction of Judicial Ditches Nos. 28, 42 and 44. The estimated costs are $38,675, $22,064 and $13,131, respectively.

Ditch—Slayton, Minn.—Bids will be received until 10 a.m., Feb. 10, by E. V. O'Brien, County Audr., for the construction of Ditch No. 37. The main ditch will require 22,000 ft. of tile. Estimated cost, $16,588.

Park Improvements—Beaumont, Tex.—The City Council has adopted the recommendation of the Park Commission approving the plans of James F. Weed, Engr., for the improvement of Island Park. The estimated cost is $150,000. Noted Oct. 22.

Dikes and Drainage—Kelso, Wash.—Bids will be received until Feb. 9, by the Commissioners of Diking District No. 2, for the construction of dikes, levees and drainage ditches in District No. 2, Cowlitz County. The work includes the removal of 450,000 cu.yd. of earth. G. T. Hogg, Kelso State Bank Bldg., is Secy. Noted Dec. 17.

Ditches—Richland, Wash.—The Commissioners of Drainage District No. 7 are receiving bids for the construction of drainage ditches covering an area of 3760 acres. The contract calls for 115,000 cu.yd. of excavation.

✚Dikes—Tillamook, Ore.—H. F. Goodspeed has awarded the contract for the construction of 13,400 lin.ft. of dike and other miscellaneous work along the shore of Tillamook Bay to COLLIER & STEPHENSON, Salem, at 12c. per cu.yd. Noted Jan. 7.

Dredging—Eureka, Calif.—Bids will be received by the Board of Supervisors, Humboldt County, until Feb. 9 for dredging in Humboldt Bay. F. M. Kay, Eureka, is Clk. of Bd.

Pier—Redondo Beach, Calif.—Reports state that the city will soon vote on an issue of $121,000 in bonds for the construction of a municipal pleasure pier.

Dredge—San Diego, Calif.—The city plans to construct a dredge for use in deepening Mission Bay. Lawrence C. Fay is preparing the plans.

Elevators—San Francisco, Calif.—The Board of Public Works will receive bids until Feb. 10 for the installation of electric elevators and hydraulic lifts in the new City Hall. Frederick J. Churchill is Secy.

Levee and Ditch Work—San Francisco, Calif.—Bids will be received until Feb. 10 by C. W. Elfving, Secy., Reclamation District 1604, Stanislaus County, for the construction of levees and ditches.

Park Improvements—Berlin, Ont.—The City Council plans to make improvements at Victoria Park, estimated to cost $15,000. A. H. Miller is City Clk.

Barn—Toronto, Ont.—The Property Committee, Board of Control, plans to construct a cattle and grain barn at the Men's Industrial Farm. The estimated cost is $20,000. D. Chisholm is Property Comr.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous."

Athol, Mass.—Plans are being prepared by Funk & Wilcox, 120 Boylston St., Boston, Mass., for the construction of two wings to the present school. Estimated cost, $50,000.

Boston, Mass.—Plans are being prepared for the construction of a hotel at Dartmouth St. and Columbus Ave. for Cornelius Keefe, 380 Massachusetts Ave. Estimated cost, $200,000.

Lawrence, Mass.—Bids will be received about Apr. 15 for the construction of a four-story school. Estimated cost, $250,000. James E. Allen, 283 Essex St., is Arch.

Salem, Mass.—Bids will be received until Feb. 15 for the construction of a five-story building for the Masonic Order. Estimated cost, $150,000. Lester S. Clough, Salem, and Little & Brown are Archs. Noted Oct. 29.

Worcester, Mass.—Plans are being prepared by Frank A. Kendall, 45 Bromfield St., for the construction of a four-story fireproof building on Main St., for the Merchants National Bank. Estimated cost, $500,000.

New London, Conn.—Preliminary plans are being prepared by Johnson & Burns, Hartford, Conn., for the construction of a four-story parish house on Washington St. for the First Baptist Church.

✚Manhasset, N. Y.—The contract for constructing a two-story school on Plandome Rd. has been awarded to THOMAS McHUGH. Estimated cost, $80,000. Noted Jan. 7.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids will be received by C. B. J. Snyder, Supt. of School Bldgs., until 3 p.m., Feb. 8, for the general construction of public school No. 48, at Spofford Ave. and Coster St.

New York, N. Y.—(Borough of Manhattan)—Plans have been prepared by Edward L. Larkin, Arch., 259 West 34th St., for the construction of a 22-story building at Eighth Ave. and 34th St., to be known as the Printing Crafts Bldg. Estimated cost, $2,500,000. Archibald D. Russell and Marie Campbell are owners.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by C. B. J. Snyder, Supt. of School Bldgs., Park Ave. and 59th St., until 3 p.m., Feb. 15, for the general construction of school No. 93, at Forest Ave. and Woodbine St.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by the Board of Trustees, Bellevue Hospital, 415 East 26th St., until noon, Feb. 5, for making alterations to the main building of the Harlem Hospital, 136th St. and Lenox Ave.

New York, N. Y.—(Borough of Manhattan)—Preliminary plans are being prepared by McKenzie, Voorhees & Gmelin, Arch., 1123 Broadway, for the construction of a 30-story building on the site of the old John St. M. E. Church, 44 John St.

✚**New York, N. Y.**—(Official)—(Borough of Manhattan)—The contract for the construction of the Arcade Bldg., 50 Broadway, for the Standard Oil Co., has been awarded to the CAULDWELL-WINGATE CO., 381 Fourth Ave.

New York, N. Y.—(Borough of Manhattan)—Bids will soon be received for the construction of an eight-story apartment house at 13 West 55th St., for the George Backer Construction Co., 56 West 45th St. Estimated cost, $200,000, Wallis & Goodwillie is Arch.

Niagara Falls, N. Y.—Plans are being prepared by Samuel Austin & Son Co., Cleveland, Ohio, for the construction of a five-story building on Main St. and Bellvue Ave. for A. M. Boffe, 1009 Garden Ave. Estimated cost, $75,000.

Schenectady, N. Y.—Bids will be received Mar. 1 by Walter E. Stephans, Arch., 152 Bassett St., for the construction of a seven-story, 52x110-ft. store and apartment building, for the A. B. Van Voost Co. Estimated cost, $100,000.

Syracuse, N. Y.—The Syracuse Masonic Temple Corporation contemplates the construction of a building on Montgomery St. Estimated cost, $150,000.

Utica, N. Y.—The Utica Board of Education contemplates the construction of a school, to cost $140,000. Frank R. Winant is Pres. of Bd.

Utica, N. Y.—Bids will be received for the construction of an addition to the high school. Estimated cost, $430,000. Agne Rushmer & Jennison is Arch. E. B. O'Dell, 77 Genesee St., is Chn. Bldg. Com.

Utica, N. Y.—Plans are being prepared for the construction of a school for the St. Patrick's R. C. Church. Estimated cost, $50,000. Rev. Nicholas Quinn, 619 Columbia St., is Pastor.

✚**Belleville, N. J.**—The contract for constructing the proposed school at Washington Ave. and Holmes St. has been awarded to the ESSEX CONSTRUCTION CO., Newark, N. J., at $92,990. Noted Jan. 28.

Jersey City, N. J.—Preliminary plans are being prepared for the construction of an apartment house at Magnolia and Tonnele Ave. for F. L. Bergoff, 37th St., Bayonne, N. J. Estimated cost, $250,000.

Jersey City, N. J.—Harry J. Max, 112 Tonnele Ave., contemplates the construction of a three-story brick building. Estimated cost, $45,000.

Kenilworth, N. J.—Plans are being prepared by J. N. Pierson & Sons, Arch., 130 Smith St., Perth Amboy, for the construction of a two-story addition to the Borough School. Estimated cost, $40,000.

Morristown, N. J.—James J. Lyons plans to construct a 2½-story reinforced-concrete theater on Park St. Estimated cost, $60,000. Hyman Rosensohn, Newark, is Arch.

Macon, Ga.—Bids will be received soon by M. B. Medlack, Armour & Co. for the construction of the proposed Hotel Macon. Estimated cost, $50,000.

Lansford, Penn.—Preliminary plans are being prepared by the Board of Education for the construction of a two-story high school. Estimated cost, $150,000. W. G. Thomas is Pres. of Bd.

Windber, Penn.—Plans are being prepared by W. S. Powell, Arch., 220 Ohio St., Johnstown, for the construction of a two-story church. Estimated cost, $40,000.

Durham, N. C.—Plans are being prepared by Milburn Heister & Co., Arch., Union Savings Bank Bldg., Washington, D. C., for the construction of a building on Main St., for the First Presbyterian Church. Estimated cost, $80,000. E. R. Leyburn is Pastor.

Greensboro, N. C.—The Guilford County Commissioners contemplate the construction of a ten-story court house. Estimated cost, $200,000.

St. Petersburg, Fla.—Preliminary plans are being prepared for the construction of a high school. Estimated cost, $70,000. L. D. Childs is Secy., Bd. of Education.

Birmingham, Ala.—Plans are being prepared by H. B. Wheelock for the construction of a four-story, 55x182-ft. building on First Ave., between 18th and 19th St., for the Southern Land Co. Estimated cost is $50,000.

✚**Cleveland, Ohio**—The Union Building & Improvement Co., 1836 Euclid Ave., has awarded the contract to A. B. LOOMIS, 2200 Denison Ave., for the construction of a six-story, 75x112-ft. addition to its building. G. A. Tenbusch, 1854 East 79th St., is Arch.

✚**Cleveland, Ohio**—The contract for the construction of a one-story, 130x300-ft. building for the Museum of Art has been awarded to the CROWELL-LUNDOFF-LITTLE CO., 1951 East 57th St. The estimated cost is $1,000,000.

Willoughby, Ohio—(Official)—All bids received for the construction of a three-story high school have been rejected. New bids will soon be received. The estimated cost is $80,000. F. C. Warner, Hippodrome Bldg., Cleveland, is Arch. Noted Oct. 8 and Jan. 21.

Indianapolis, Ind.—(Official)—Wilbur T. Mills, Arch., Columbus, Ohio, advises us that bids will be received about Apr. 1 for the construction of a ten-story hotel. The estimated cost is $200,000. Noted Jan. 28.

✚**Detroit, Mich**—The contract for the construction of a three-story, 40x138-ft. bank for the Detroit Trust Co., Penobscot Bldg., has been awarded to the A. A. ALBRECHT CO., 820 Penobscot Bldg. The estimated cost is $150,000.

Detroit, Mich.—The Board of Education has petitioned the Board of Estimate to appropriate $1,250,000 for the construction of seven, 20-room schools. Malcomson & Higginbotham, Moffat Bldg., is Arch. Charles P. Gadd is Secy. Bd. of Education.

Detroit, Mich.—The Simpson-Tabernacle M. E. Church plans to construct a building at Grand River Ave. and Sixth St. The estimated cost is $100,000.

Flint, Mich.—Plans are being prepared by Malcomson & Higginbotham, Arch., 405 Moffat Bldg., Detroit, for the construction of a school. The estimated cost is $70,000. George W. Cook is Pres., Bd. of Education.

✚**Grand Rapids, Mich.**—The contract for the construction of a four-story building for the Grand Rapids National City Bank has been awarded to HAUSER, OWEN & AMES, 40 Pearl St. The estimated cost is $150,000. Noted Aug. 20.

Lansing, Mich.—A bill has been introduced into the legislature asking for an appropriation of $750,000 for the construction of a state building at Lansing.

Saginaw, Mich.—Plans are being prepared by C. Howard Crane, Ford Bldg., Detroit, for the construction of a theater for the Hippodrome Theater Co. Noted Jan. 14.

✚**Ypsilanti, Mich.**—The contract for the construction of a two-story school has been awarded to H. G. CHRISTMAN CO., South Bend, Ind. The estimated cost is $100,000. Noted Sept. 3 and Nov. 19.

✚**Chicago, Ill.**—The general contract for the construction of a three-story, 67x161-ft. hospital for the City of Chicago has been awarded to J. W. SNYDER, 122 South Michigan Ave. The estimated cost is $200,000.

Chicago, Ill.—The University of Chicago plans to construct a three-story gymnasium at 58th St. and Woodlawn Ave. The estimated cost is $250,000. Shepley, Rutan & Coolidge, 134 South La Salle St., is Arch.

Chicago, Ill.—According to press reports, work on the construction of the Union Station will be started about Mar. 1. J. J. Turner is interested.

Ottawa, Ill.—The Township High School Board will construct a high school on Main St., East Ottawa. The estimated cost is $200,000.

Woodlawn, Ill.—R. G. Ackley, of Ackley Bros., has purchased a 95x125-ft. site at Blackstone Ave. and East 63d St. The company plans the construction of a four-story fireproof building, to cost about $150,000.

Cudahy, Wis.—The Immel Construction Co., 200 North Main St., Fond du Lac, at $57,974, submitted the lowest bid on the general contract for the construction of a three-story school. Robert A. Messmer & Bro., Majestic Bldg., Milwaukee, is Arch. Noted Dec. 31.

Green Bay, Wis.—Bids will be received about Feb. 20 for the construction of a three-story, 45x120-ft. sanitarium on Webster St. for the Wisconsin Deaconess Hospital. The estimated cost is $50,000. P. T. Benton, 605 Minahan Bldg., Green Bay, is Arch.

Milwaukee, Wis.—See item under "Miscellaneous": Park Improvements.

Prairie du Chien, Wis.—The Directors of Campion College plan the construction of a three-story, 40x180-ft. dormitory. The estimated cost is $125,000. George R. Kister is Chn. Noted Oct. 8.

Racine, Wis.—(Official)—Guilbert & Funston, Arch., Robinson Blk., advises us that the contract for the construction of a two-story, 133x178-ft. school will be awarded Mar. 1. Noted Oct. 29 and Jan. 14.

Des Moines, Iowa—Plans have been prepared for the construction of a four-story, 70x80-ft. home for nurses at the Methodist Hospital. The estimated cost is $40,000.

Sioux City, Iowa—Bonds for the amount of $500,000 have been sold. The proceeds will be used for the construction of a court house. Noted Dec. 25, 1913 and Jan. 14, 1915.

Sioux City, Iowa—Press reports state that construction of the Lyon County courthouse will commence about Sept. 1. The estimated cost is $110,000. Noted Dec. 25 and Jan. 14.

Fertile, Minn.—Plans are being prepared by E. F. Broomhall, Arch., 710 Alworth Bldg., Duluth, for the construction of a school. The estimated cost is $50,000.

Minneapolis, Minn.—The lowest bid received for the construction of the $200,000 Biology Bldg. for the University of Minnesota was submitted by the Fleischer-Rose Construction Co., Plymouth Bldg., at $140,613. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, is Arch. Noted Oct. 22 and Dec. 31.

Omaha, Neb.—John L. Kennedy plans to construct a building on 16th and Douglas St. The estimated cost is $200,000.

Kansas City, Mo.—Plans have been prepared by Keene & Simpson, Arch., for the construction of a clubhouse for the Hillcrest Golf & Country Club. The estimated cost is $50,000. D. W. Eaton is Secy.

✚**El Paso, Tex.**—(Official)—The contract for the steel work for the $500,000 high school has been awarded to J. E. MORGAN, at $105,990. Noted Sept. 17, Dec. 10 and Jan. 21.

Colorado Springs, Colo.—The Directors of St. Stephens School for Boys will construct an addition at Austin Bluffs, four miles northeast of Colorado Springs. The estimated cost is $100,000. Ralph E. Boothby is Headmaster.

Los Angeles, Calif.—Plans have been prepared for the construction of a two-story, reinforced-concrete, Class A station on the east bank of the Los Angeles River near Seventh St. for the San Pedro, Los Angeles & Salt Lake R.R. The estimated cost is $260,000.

Sacramento, Calif.—Plans have been prepared by R. A. Herold, Arch., for the construction of a Masonic Temple at 12th and J St. The estimated cost is $200,000.

San Francisco, Calif.—The lowest bid received for the construction of a pathological building and garage at the San Francisco Hospital was that of James L. McLaughlin, at $78,990.

The General Equipment Co., 30 Church St., New York, has established a Philadelphia office in the Commercial Trust Bldg. E. G. Lewis is Mgr. of the Philadelphia office.